

Data File : BF096938.D
Acq On : 21 Jul 2017 12:26
Operator : SJ/JU
Sample : I4253-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-BASE

Quant Time: Jul 21 23:08:17 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 18 13:33:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.56	152	107157	20.00	ng	-0.04
21) Naphthalene-d8	7.85	136	369372	20.00	ng	-0.04
38) Acenaphthene-d10	9.59	164	155107	20.00	ng	-0.04
63) Phenanthrene-d10	11.07	188	256055	20.00	ng	-0.04
75) Chrysene-d12	13.69	240	179490	20.00	ng	-0.04
86) Perylene-d12	15.06	264	171890	20.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.16	112	743399	104.31	ng	-0.04
7) Phenol-d6	6.22	99	922454	107.86	ng	-0.03
23) Nitrobenzene-d5	7.12	82	518327	86.92	ng	-0.05
41) 2,4,6-Tribromophenol	10.38	330	139331	105.24	ng	-0.04
44) 2-Fluorobiphenyl	8.92	172	672396	68.49	ng	-0.04
78) Terphenyl-d14	12.65	244	390733	37.75	ng	-0.04

Target Compounds				Qvalue		
6) Aniline	6.30	93	765651	72.68	ng	# 51
10) Phenol	6.23	94	36063	3.73	ng	# 78
11) bis(2-Chloroethyl)ether	6.30	93	765651	105.31	ng	# 89
12) 1,3-Dichlorobenzene	6.50	146	173086	21.18	ng	# 99
13) 1,4-Dichlorobenzene	6.57	146	607118	73.36	ng	# 94
14) 1,2-Dichlorobenzene	6.74	146	1286369	170.88	ng	# 98
16) 2,2'-oxybis(1-Chloropropan	6.85	45	506077	33.73	ng	# 99
17) 2-Methylphenol	6.83	107	59746	9.99	ng	# 96
18) Hexachloroethane	7.06	117	9657	3.29	ng	# 1
20) 3+4-Methylphenols	6.99	107	127686	17.60	ng	# 63
22) Acetophenone	6.96	105	60826	7.37	ng	# 51
27) 2,4-Dimethylphenol	7.53	122	339605	60.20	ng	# 90
30) 1,2,4-Trichlorobenzene	7.79	180	91647	18.87	ng	# 97
31) Naphthalene	7.87	128	2581529	147.53	ng	# 99
32) Benzoic acid	7.66	122	482665	133.86	ng	# 13
33) 4-Chloroaniline	7.87	127	377249	54.42	ng	# 38
35) Caprolactam	8.30	113	36840	22.51	ng	# 1
36) 4-Chloro-3-methylphenol	8.43	107	20806	3.79	ng	# 22
37) 2-Methylnaphthalene	8.58	142	2873243	257.56	ng	# 96
45) 1,1'-Biphenyl	9.02	154	476402	35.81	ng	# 97
47) 2-Nitroaniline	9.12	65	14848	4.41	ng	# 45
48) Acenaphthylene	9.46	152	62716	4.02	ng	# 1
49) Dimethylphthalate	9.32	163	174981	14.98	ng	# 91
51) Acenaphthene	9.63	154	312898	33.94	ng	# 96
53) 2,4-Dinitrophenol	9.65	184	2209	8.36	ng	# 1
54) Dibenzofuran	9.80	168	151604	11.73	ng	# 68
55) 4-Nitrophenol	9.85	139	21824	9.97	ng	# 94
56) 2,4-Dinitrotoluene	9.80	165	29502	9.08	ng	# 32
57) Fluorene	10.14	166	220800	23.13	ng	# 95
60) 4-Chlorophenyl-phenylether	10.15	204	1510	Below	Cal	# 1
65) n-Nitrosodiphenylamine	10.26	169	142009	15.52	ng	# 47
70) Phenanthrene	11.10	178	782856	56.23	ng	# 99
71) Anthracene	11.15	178	199300	14.16	ng	# 99
72) Carbazole	11.30	167	52876	3.88	ng	# 91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) Fluoranthene	12.27	202	387609	29.09	ng	100
77) Pyrene	12.50	202	378599	23.24	ng	99
80) Benzo(a)anthracene	13.68	228	148866	13.31	ng	98
82) Chrysene	13.72	228	129094	11.73	ng	97
85) Indeno(1,2,3-cd)pyrene	16.32	276	64925	9.42	ng	95
87) Benzo(b)fluoranthene	14.69	252	180525	17.41	ng	# 88
88) Benzo(k)fluoranthene	14.69	252	180525	18.39	ng	# 92
89) Benzo(a)pyrene	15.00	252	98122	10.32	ng	# 90
91) Benzo(g,h,i)perylene	16.70	276	62936	6.72	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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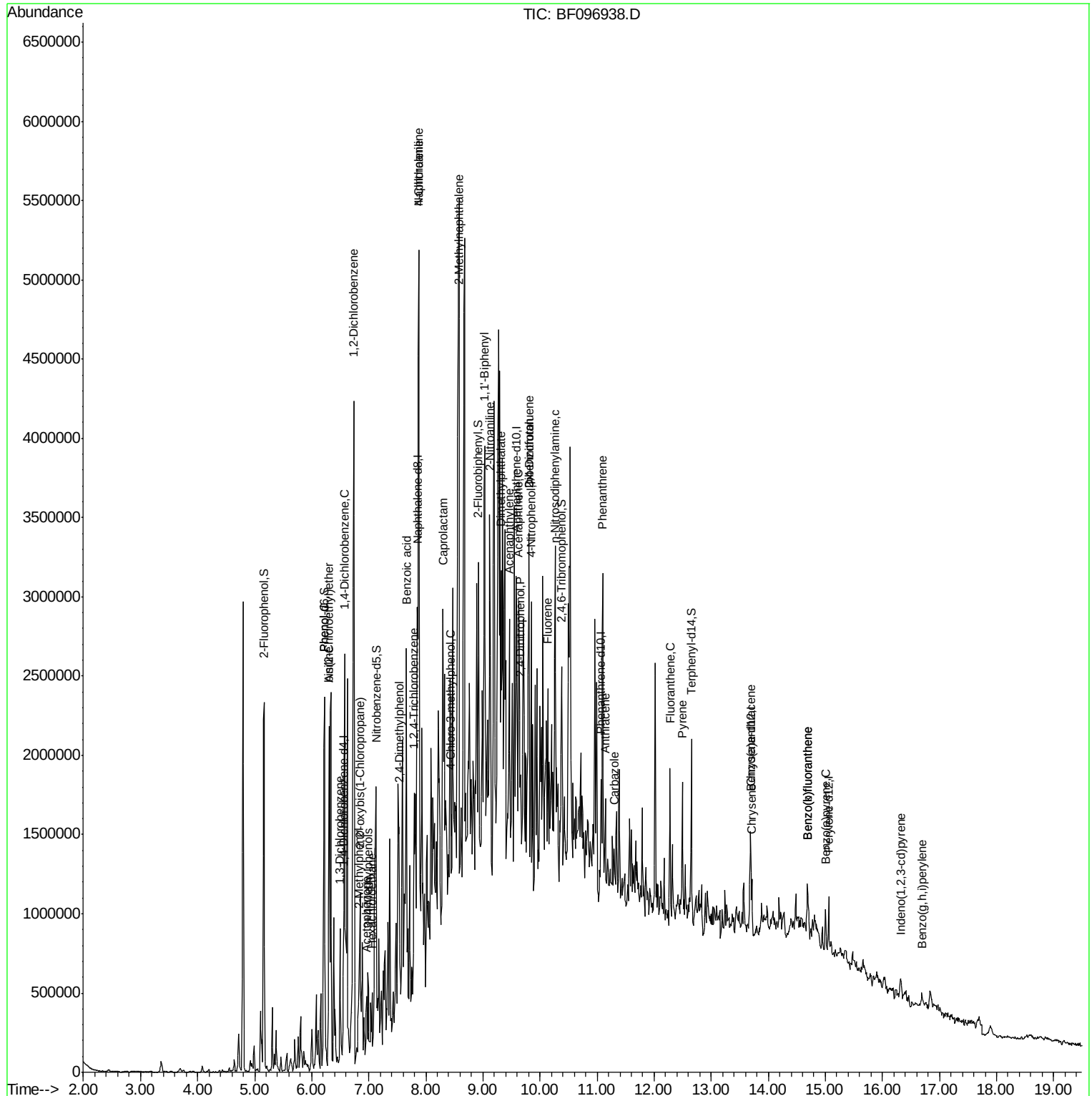
Quant Time: Jul 21 23:08:17 2017

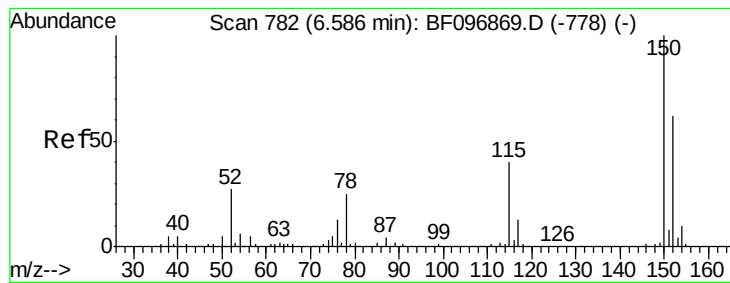
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071317.M

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.56 min Scan# 777

Delta R.T. -0.04 min

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ClientSampleId :

E2-O-P-6-7-BASE

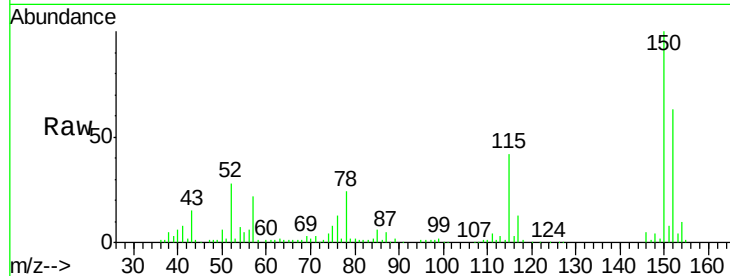
Tgt Ion:152 Resp: 107157

Ion Ratio Lower Upper

152 100

150 159.9 126.2 189.2

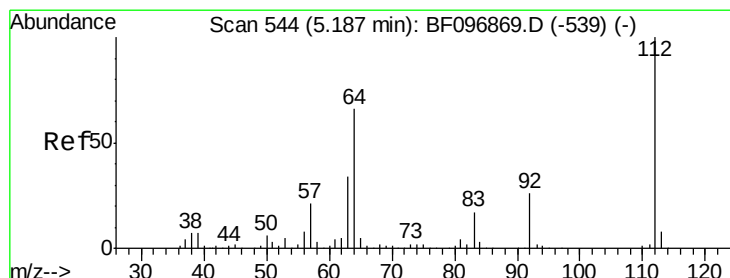
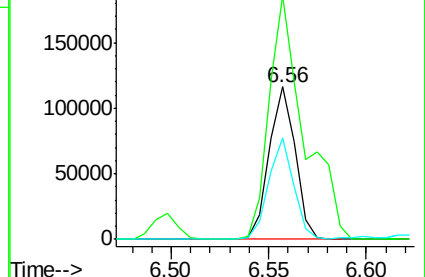
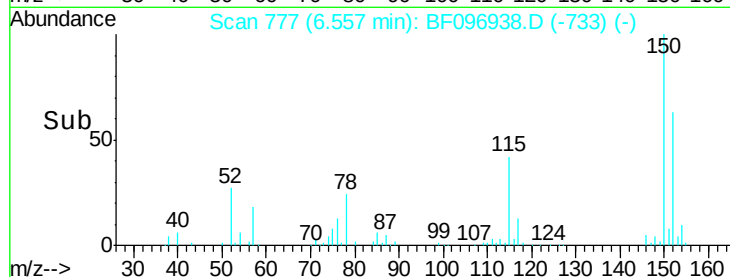
115 66.6 52.2 78.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 104.31 ng

RT: 5.16 min Scan# 540

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

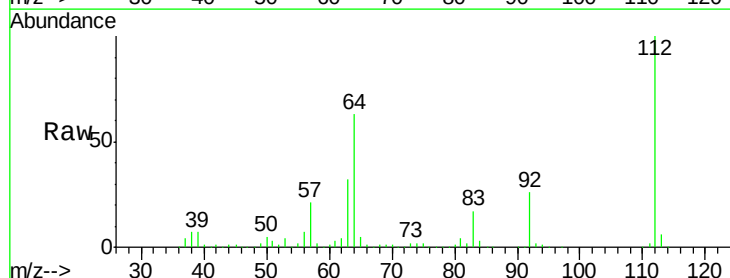
Tgt Ion:112 Resp: 743399

Ion Ratio Lower Upper

112 100

64 62.6 46.0 69.0

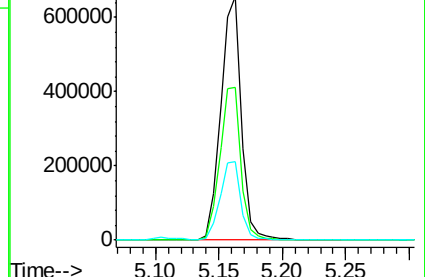
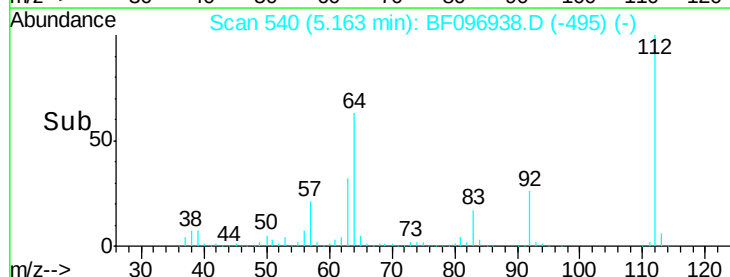
63 32.1 23.4 35.0

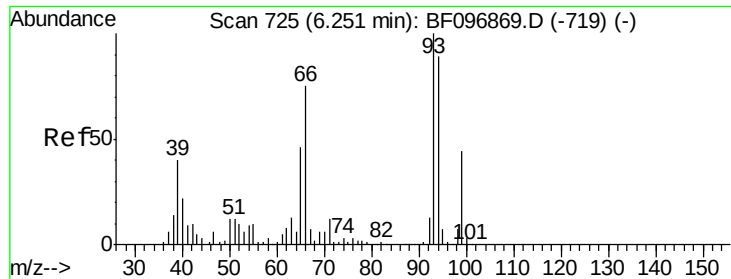


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#6

Aniline

Concen: 72.68 ng

RT: 6.30 min Scan# 734

Delta R.T. 0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

Instrument :

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ClientSampleId :

E2-O-P-6-7-BASE

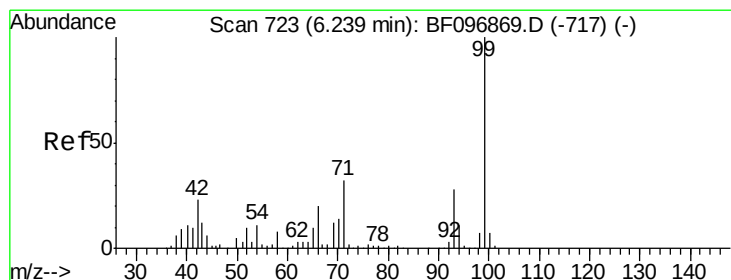
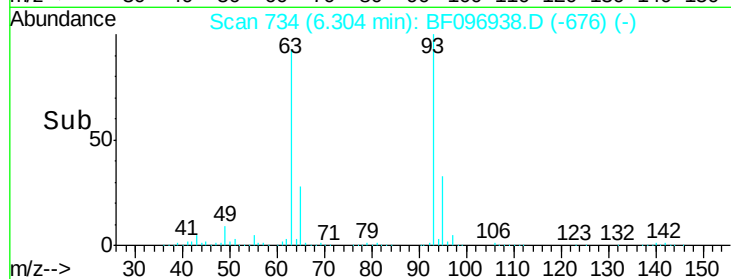
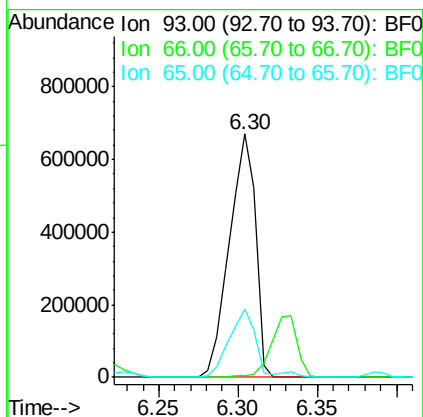
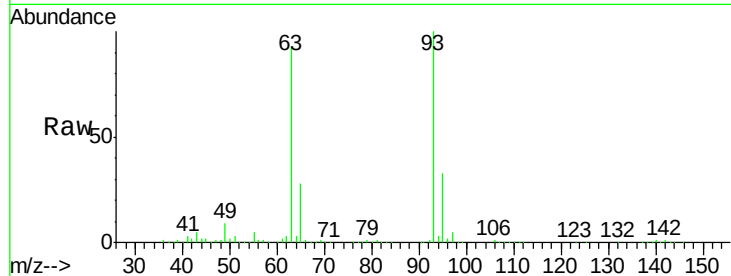
Tgt Ion: 93 Resp: 765651

Ion Ratio Lower Upper

93 100

66 0.7 32.9 49.3#

65 28.2 16.0 24.0#



#7

Phenol-d6

Concen: 107.86 ng

RT: 6.22 min Scan# 720

Delta R.T. -0.03 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

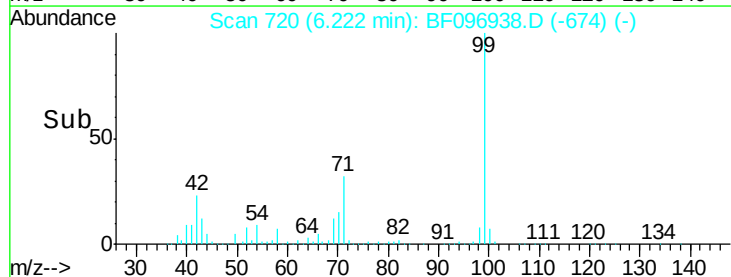
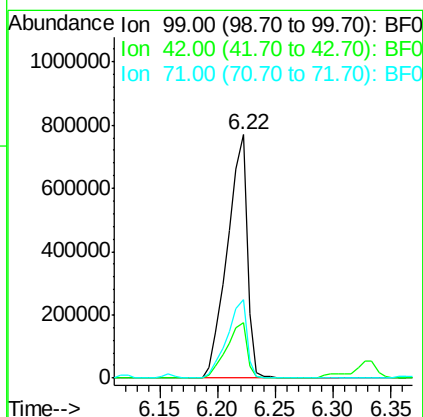
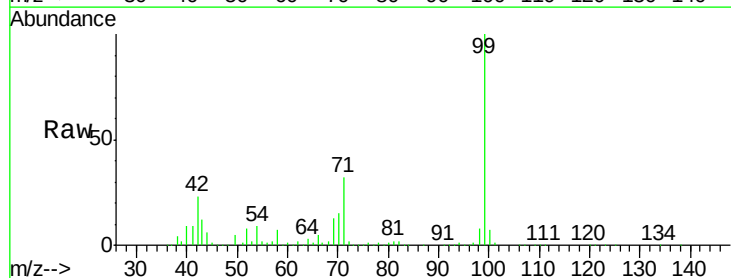
Tgt Ion: 99 Resp: 922454

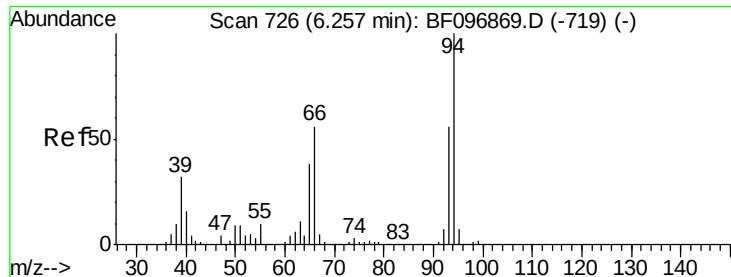
Ion Ratio Lower Upper

99 100

42 22.7 13.5 20.3#

71 32.3 24.5 36.7

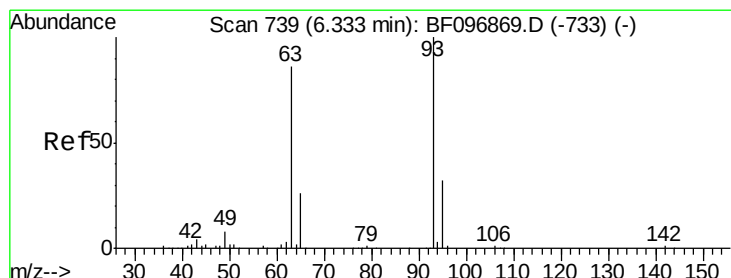
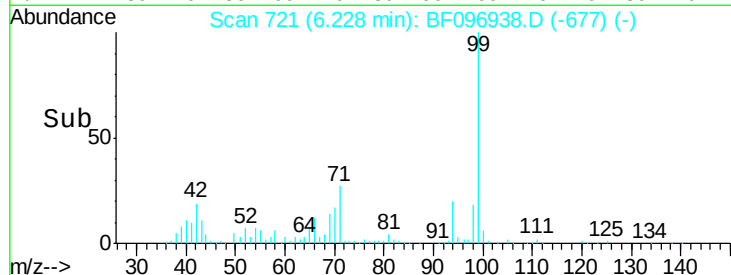
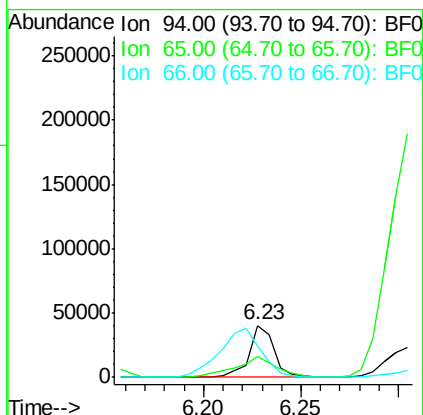
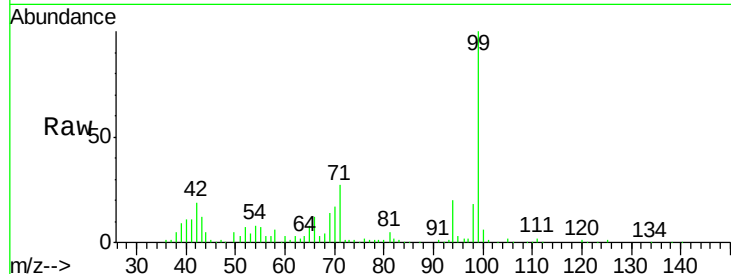




#10
Phenol
Concen: 3.73 ng
RT: 6.23 min Scan# 721
Delta R.T. -0.04 min
Lab File: BF096938.D
Acq: 21 Jul 2017 12:26

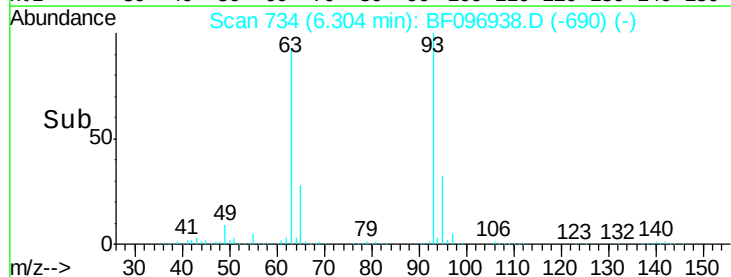
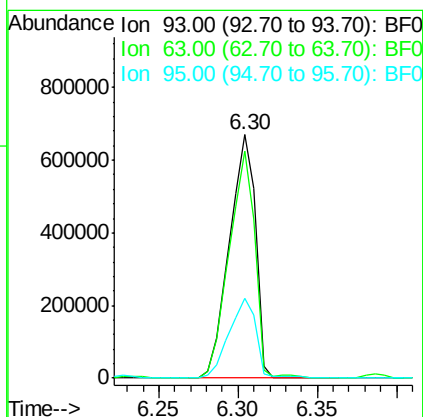
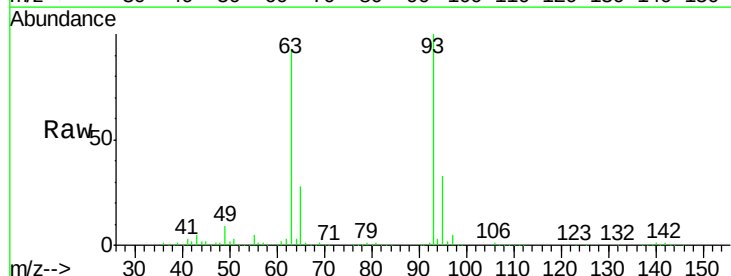
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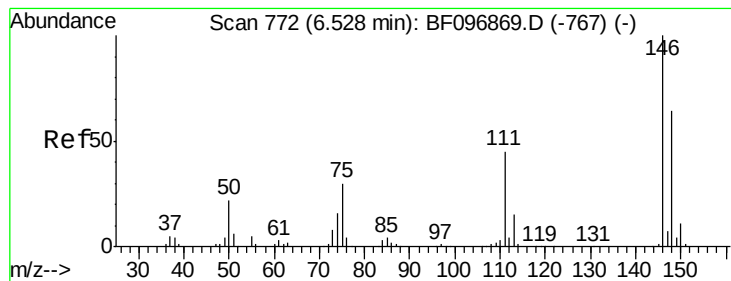
Tgt Ion: 94 Resp: 36063
Ion Ratio Lower Upper
94 100
65 39.5 9.9 49.9
66 59.1 23.1 63.1



#11
bis(2-Chloroethyl)ether
Concen: 105.31 ng
RT: 6.30 min Scan# 734
Delta R.T. -0.04 min
Lab File: BF096938.D
Acq: 21 Jul 2017 12:26

Tgt Ion: 93 Resp: 765651
Ion Ratio Lower Upper
93 100
63 93.1 59.2 99.2
95 32.7 12.8 52.8





#12

1,3-Dichlorobenzene

Concen: 21.18 ng

RT: 6.50 min Scan# 767

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASE

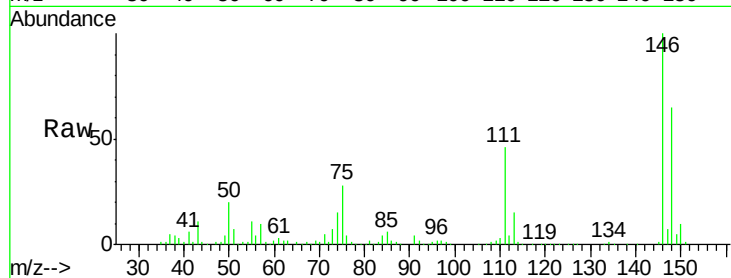
Tgt Ion:146 Resp: 173086

Ion Ratio Lower Upper

146 100

148 65.2 51.8 77.6

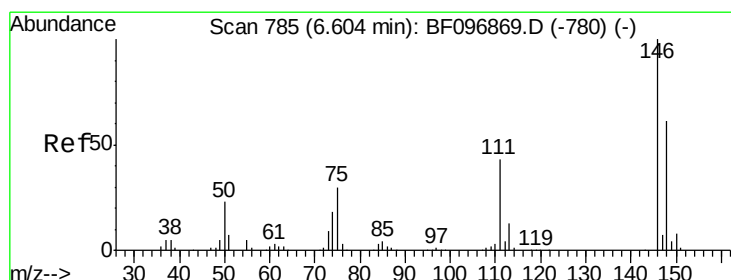
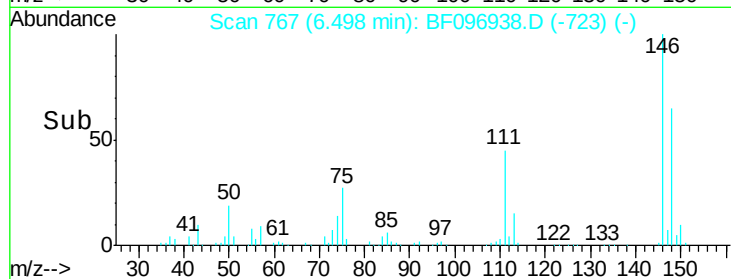
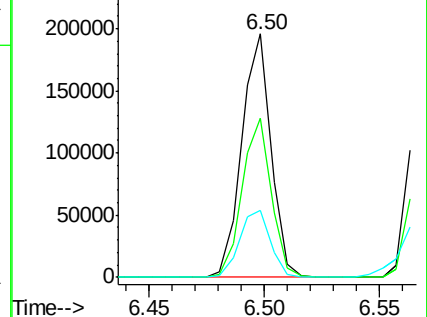
75 27.6 23.1 34.7



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0



#13

1,4-Dichlorobenzene

Concen: 73.36 ng

RT: 6.57 min Scan# 780

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

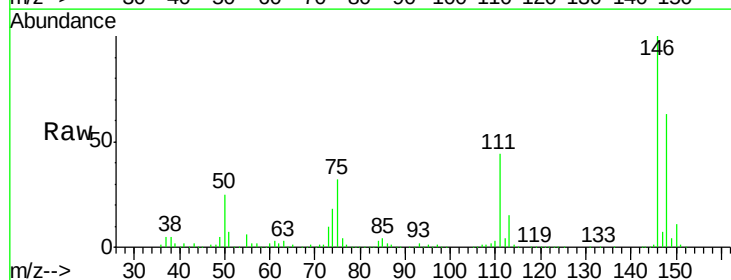
Tgt Ion:146 Resp: 607118

Ion Ratio Lower Upper

146 100

148 62.8 52.2 78.2

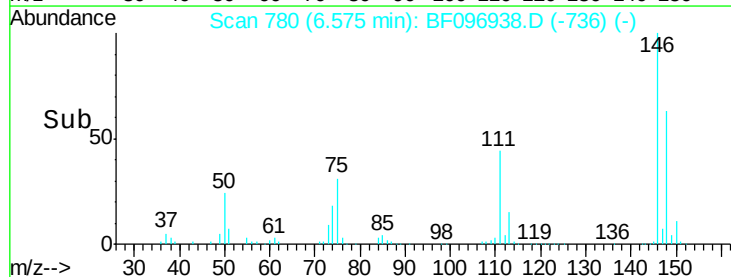
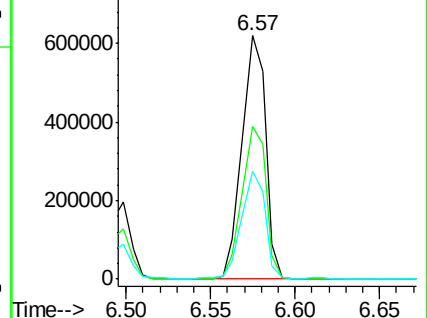
111 44.3 30.3 45.5

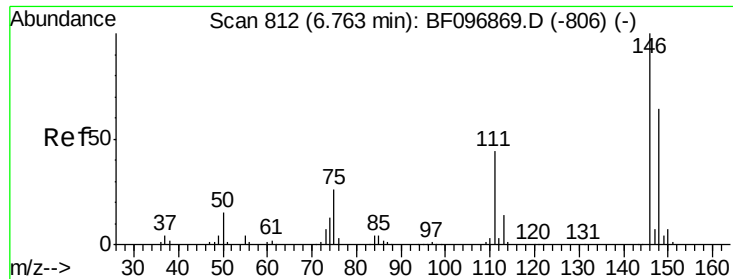


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

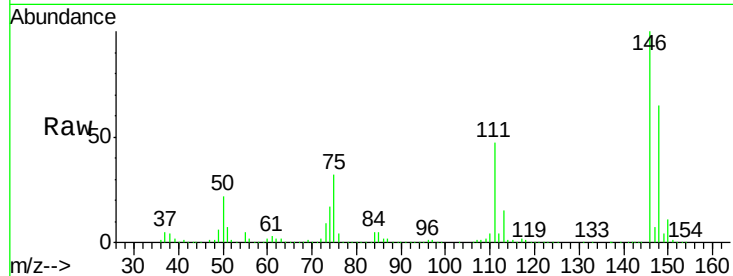




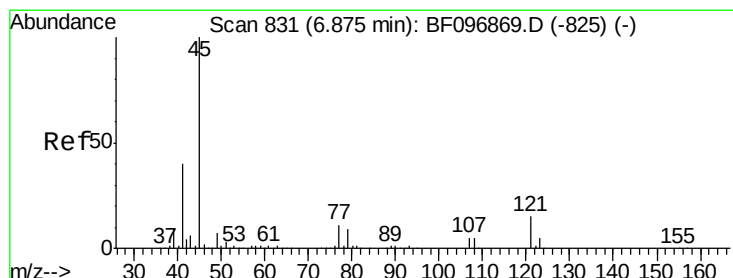
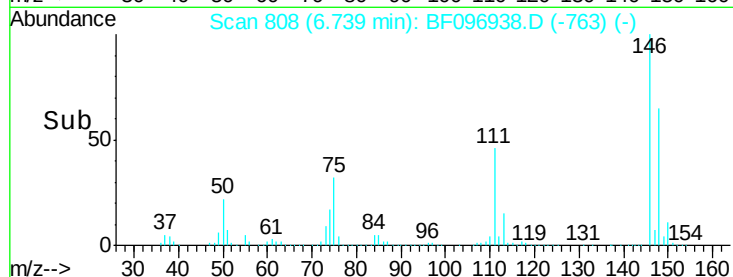
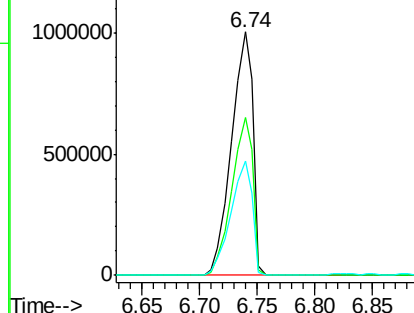
#14
 1,2-Dichlorobenzene
 Concen: 170.88 ng
 RT: 6.74 min Scan# 808
 Delta R.T. -0.04 min
 Lab File: BF096938.D
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Tgt Ion:146 Resp: 1286369
 Ion Ratio Lower Upper
 146 100
 148 64.8 50.4 75.6
 111 46.8 38.2 57.4

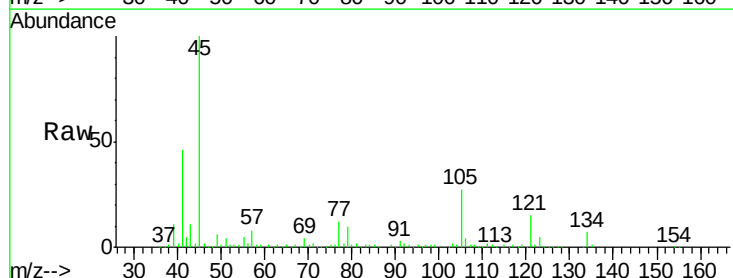


Abundance Ion 146.00 (145.70 to 146.70): E
 Ion 148.00 (147.70 to 148.70): E
 Ion 111.00 (110.70 to 111.70): E

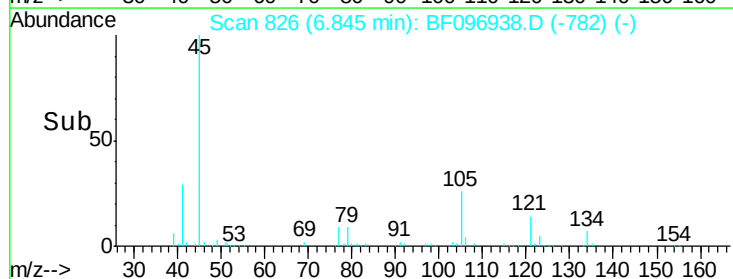
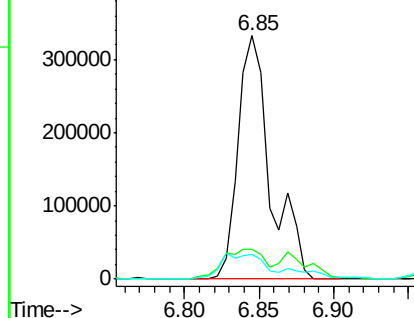


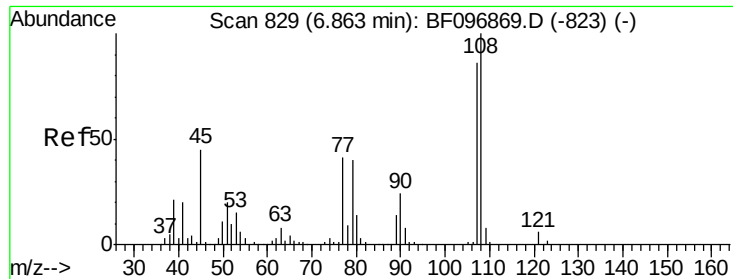
#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 33.73 ng
 RT: 6.85 min Scan# 826
 Delta R.T. -0.04 min
 Lab File: BF096938.D
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Tgt Ion: 45 Resp: 506077
 Ion Ratio Lower Upper
 45 100
 77 12.3 0.0 33.2
 79 10.1 0.0 30.0



Abundance Ion 45.00 (44.70 to 45.70): BF0
 Ion 77.00 (76.70 to 77.70): BF0
 Ion 79.00 (78.70 to 79.70): BF0

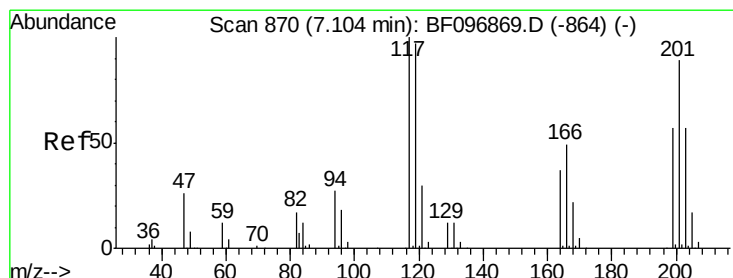
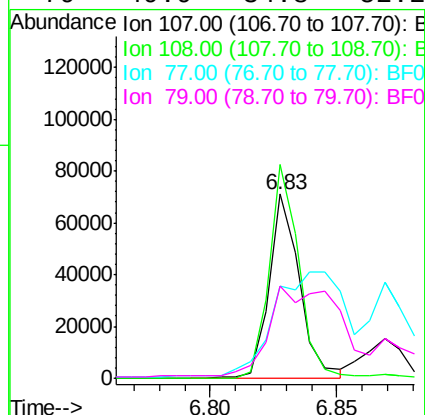
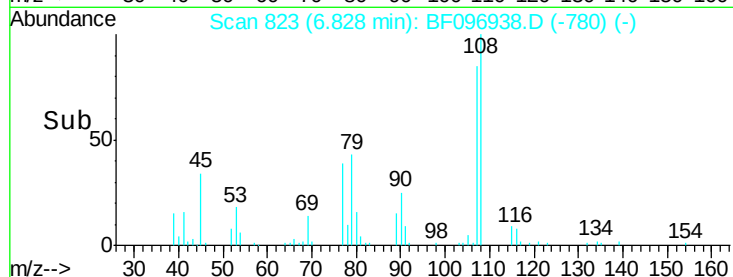
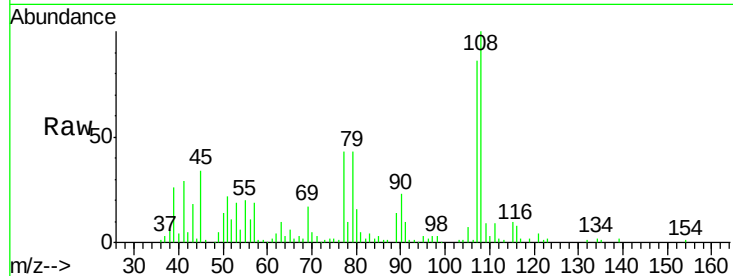




#17
2-Methylphenol
Concen: 9.99 ng
RT: 6.83 min Scan# 823
Delta R.T. -0.05 min
Lab File: BF096938.D
Acq: 21 Jul 2017 12:26

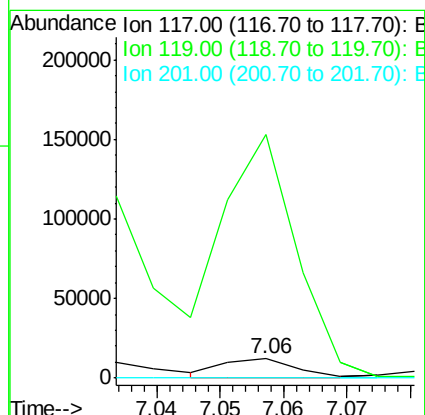
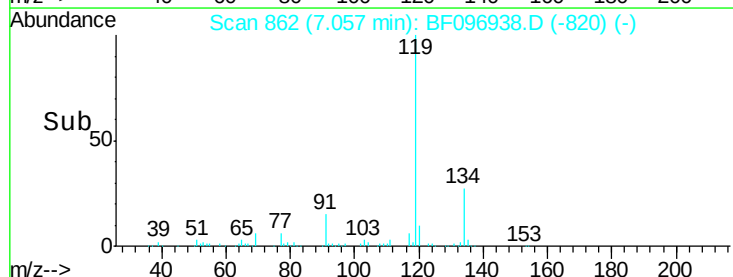
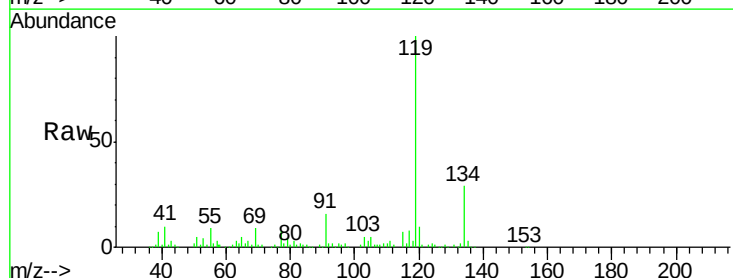
Instrument :
BNA_F
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E2-O-P-6-7-BASE

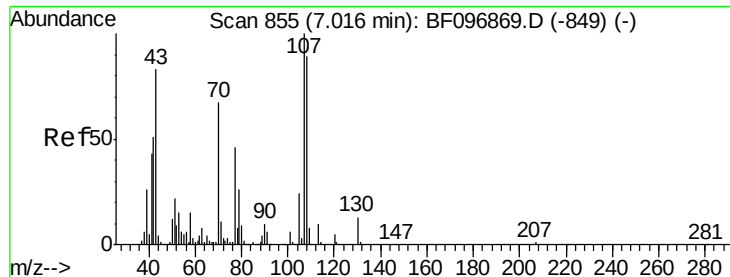
Tgt Ion:107 Resp: 59746
Ion Ratio Lower Upper
107 100
108 116.2 93.4 140.0
77 50.1 35.8 53.6
79 49.9 34.8 52.2



#18
Hexachloroethane
Concen: 3.29 ng
RT: 7.06 min Scan# 862
Delta R.T. -0.05 min
Lab File: BF096938.D
Acq: 21 Jul 2017 12:26

Tgt Ion:117 Resp: 9657
Ion Ratio Lower Upper
117 100
119 1260.4 77.4 116.0#
201 0.0 94.6 141.8#





#20

3+4-Methylphenols

Concen: 17.60 ng

RT: 6.99 min Scan# 850

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

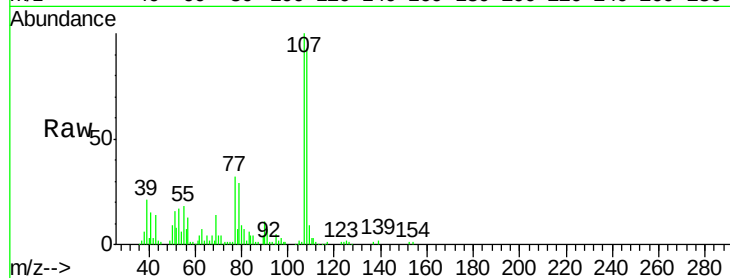
Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASE

Tgt Ion:	107	Resp:	127686
Ion	Ratio	Lower	Upper
107	100		
108	92.8	71.0	111.0
77	31.9	90.5	130.5#
79	29.3	8.4	48.4



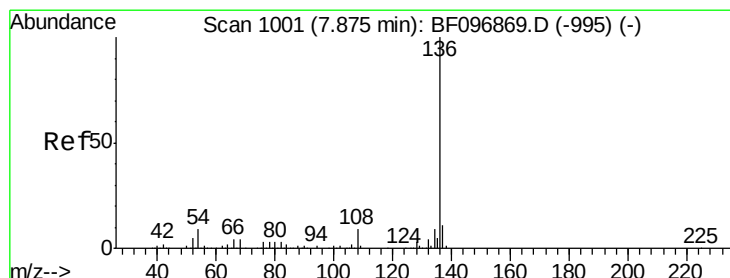
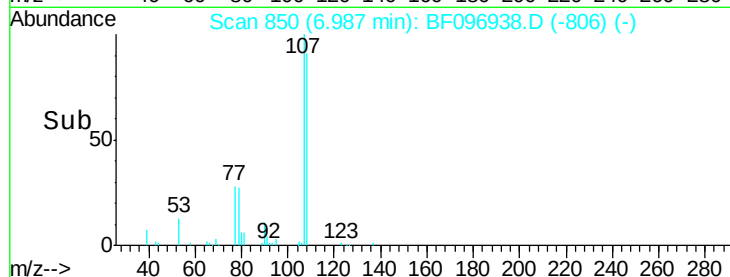
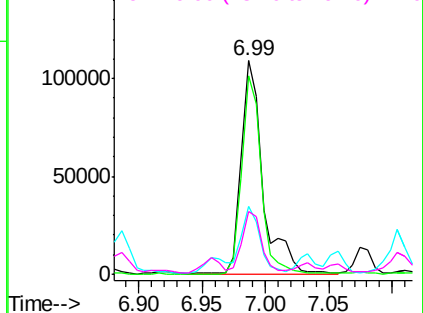
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0

Ion 79.00 (78.70 to 79.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

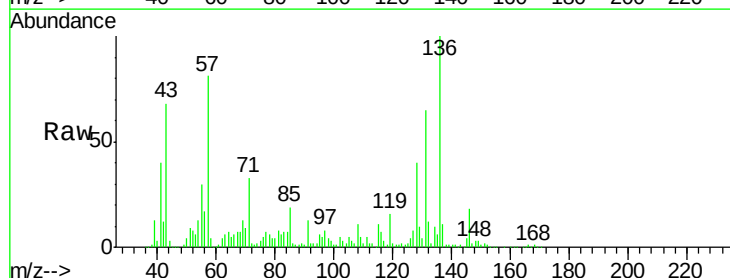
RT: 7.85 min Scan# 996

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

Tgt Ion:	136	Resp:	369372
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.5	12.7
54	12.9	4.9	7.3#
68	7.4	4.1	6.1#



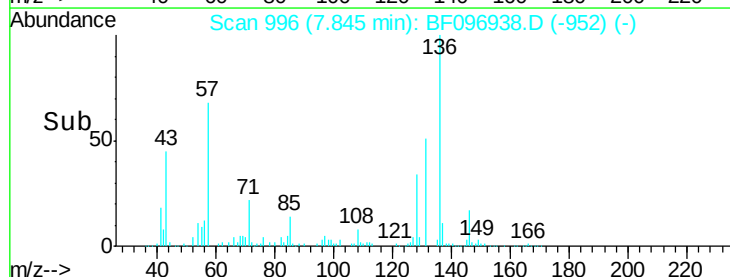
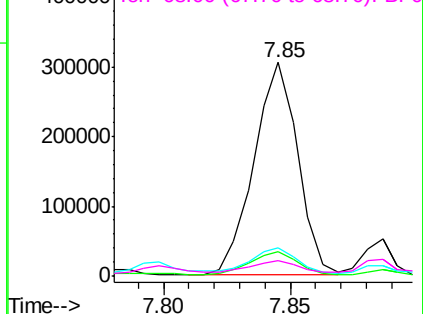
Abundance

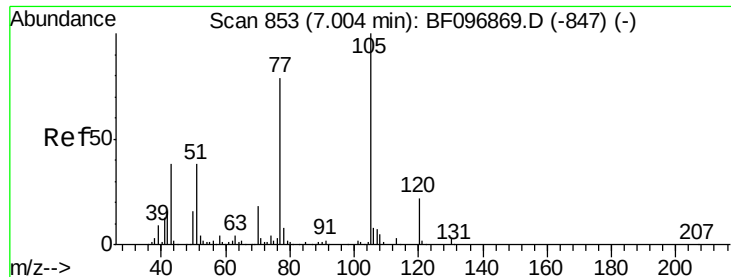
Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 7.37 ng

RT: 6.96 min Scan# 845

Delta R.T. -0.06 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASE

Tgt Ion: 105 Resp: 60826

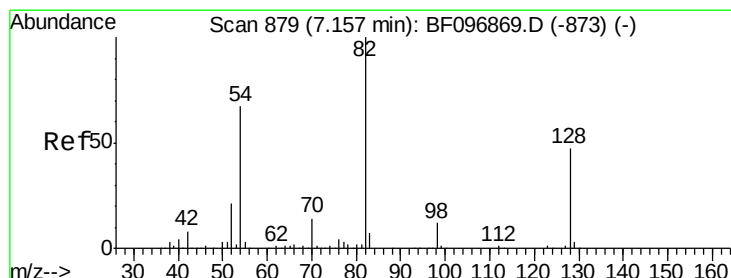
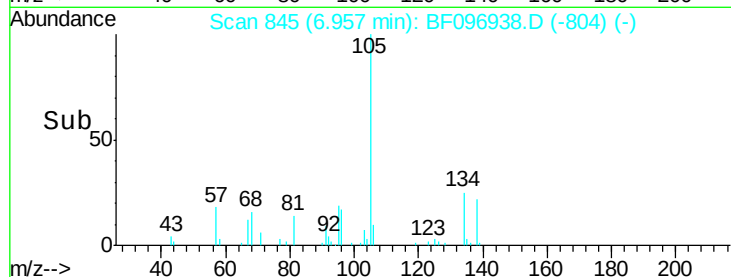
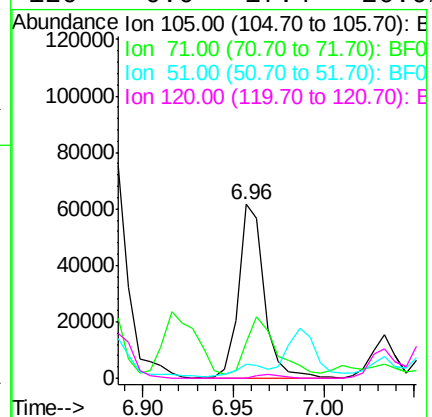
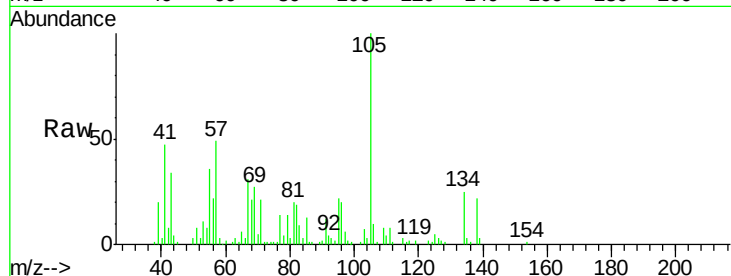
Ion Ratio Lower Upper

105 100

71 20.6 2.8 4.2#

51 7.9 30.7 46.1#

120 0.0 17.4 26.0#



#23

Nitrobenzene-d5

Concen: 86.92 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

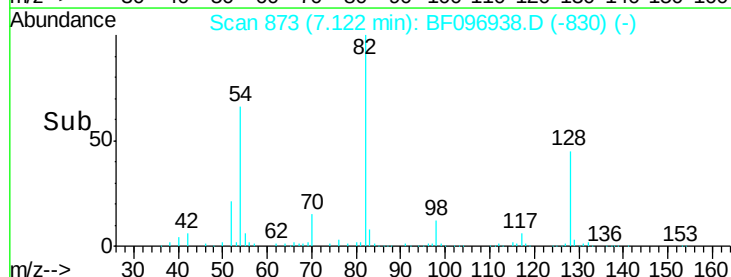
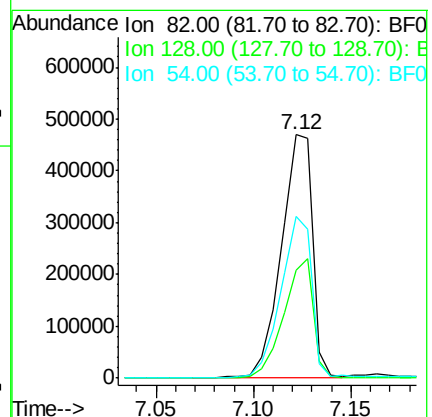
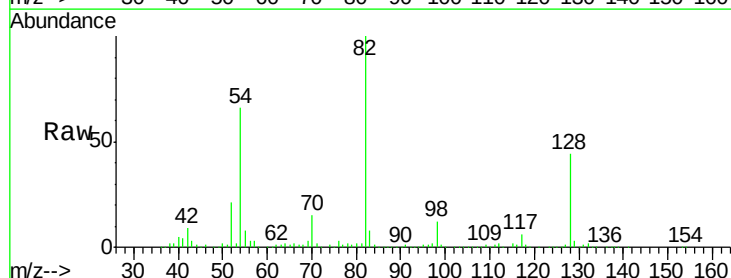
Tgt Ion: 82 Resp: 518327

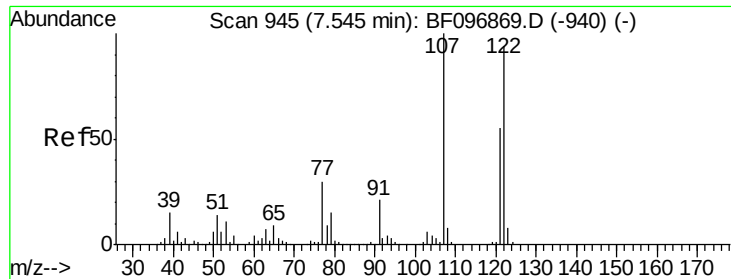
Ion Ratio Lower Upper

82 100

128 44.5 34.0 51.0

54 66.3 42.2 63.2#

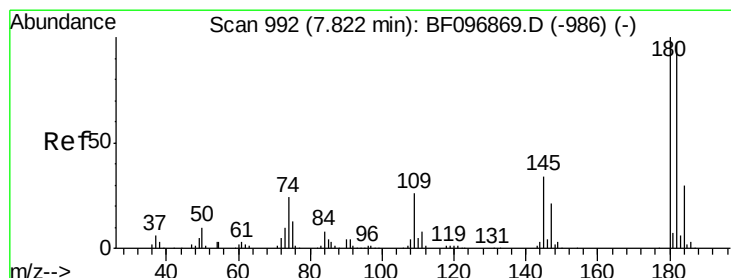
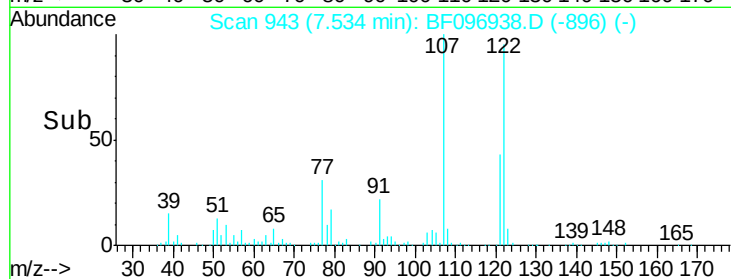
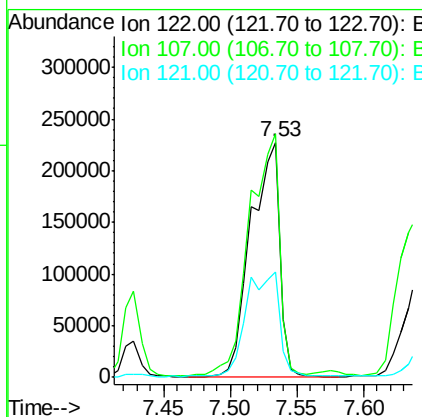
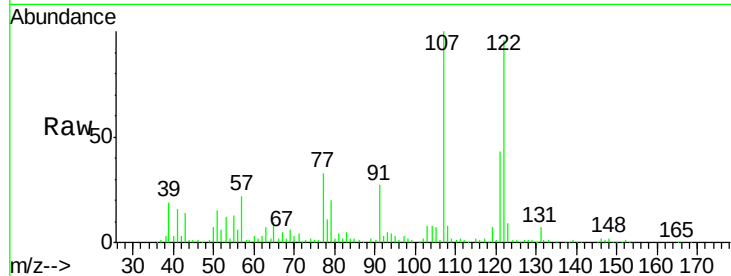




#27
 2,4-Dimethylphenol
 Concen: 60.20 ng
 RT: 7.53 min Scan# 943
 Delta R.T. -0.02 min
 Lab File: BF096938.D
 Acq: 21 Jul 2017 12:26

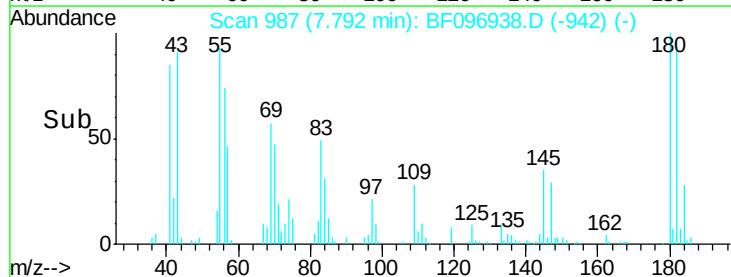
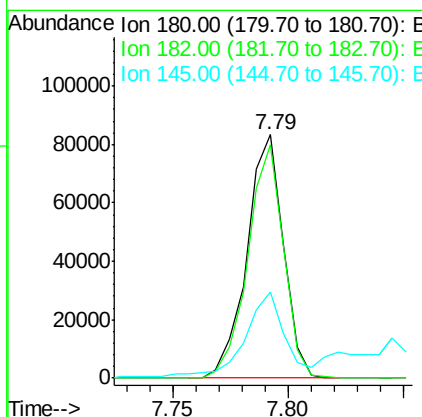
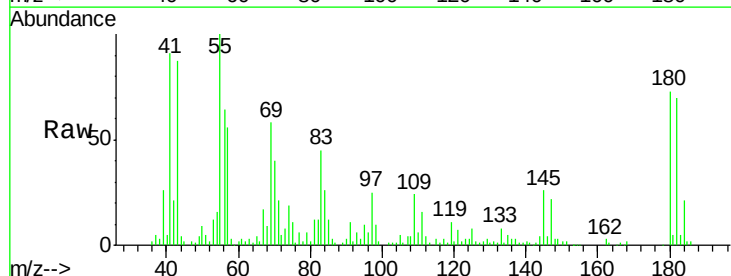
Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-BASE

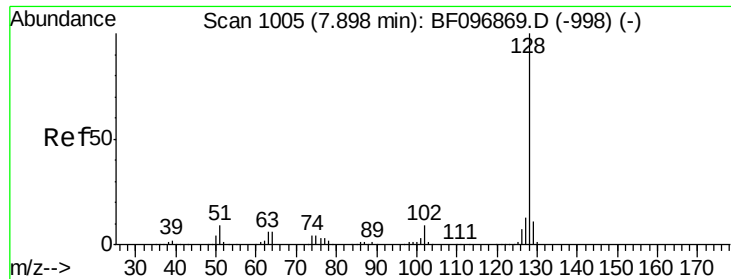
Tgt Ion:122 Resp: 339605
 Ion Ratio Lower Upper
 122 100
 107 103.6 89.2 133.8
 121 44.7 45.2 67.8#



#30
 1,2,4-Trichlorobenzene
 Concen: 18.87 ng
 RT: 7.79 min Scan# 987
 Delta R.T. -0.04 min
 Lab File: BF096938.D
 Acq: 21 Jul 2017 12:26

Tgt Ion:180 Resp: 91647
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.8 113.6
 145 35.4 25.3 37.9

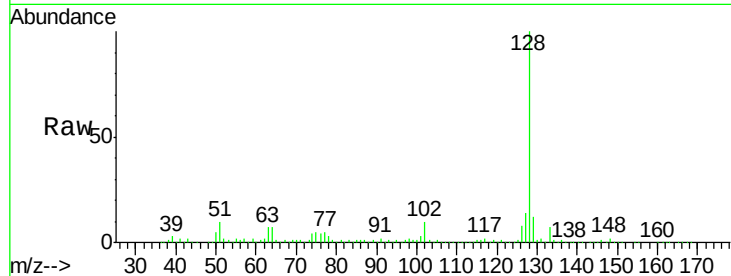




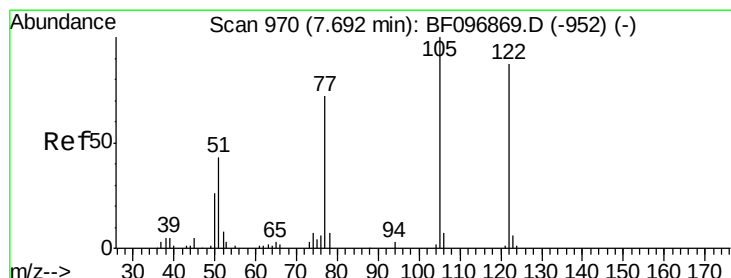
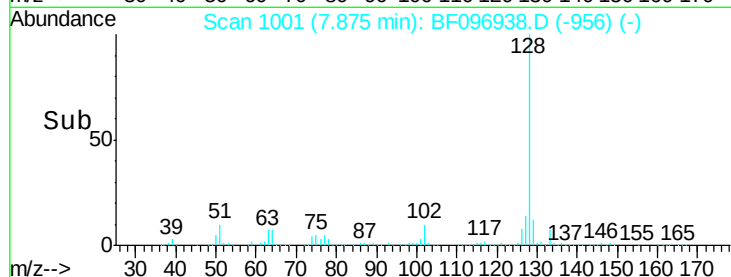
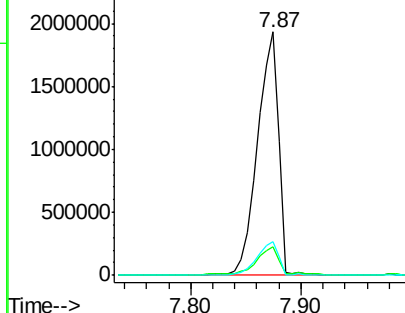
#31
Naphthalene
Concen: 147.53 ng
RT: 7.87 min Scan# 1001
Delta R.T. -0.04 min
Lab File: BF096938.D
Acq: 21 Jul 2017 12:26

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-BASE

Tgt Ion:128 Resp: 2581529
Ion Ratio Lower Upper
128 100
129 11.6 9.0 13.6
127 14.1 10.8 16.2

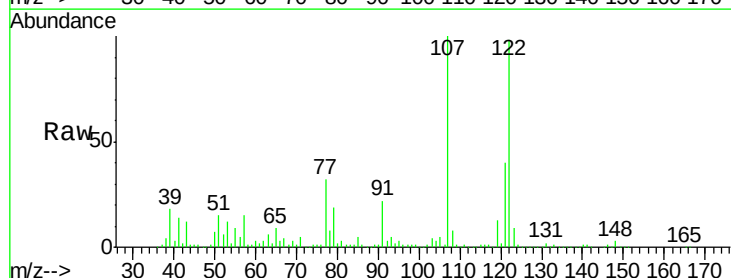


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

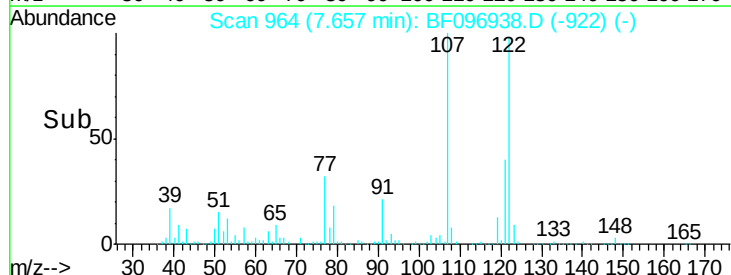
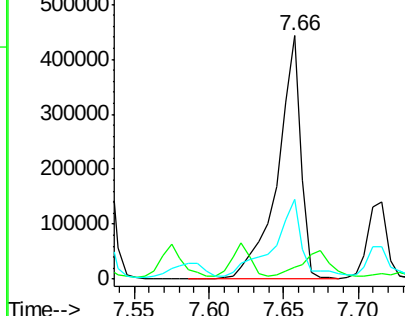


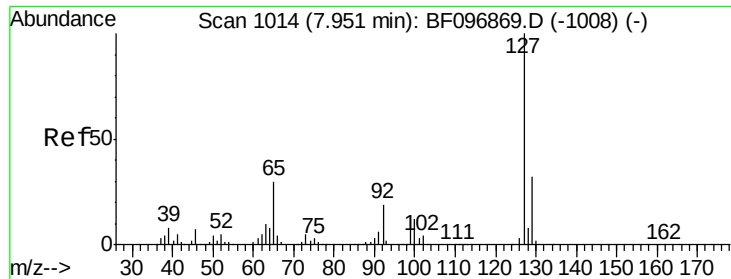
#32
Benzoic acid
Concen: 133.86 ng
RT: 7.66 min Scan# 964
Delta R.T. -0.05 min
Lab File: BF096938.D
Acq: 21 Jul 2017 12:26

Tgt Ion:122 Resp: 482665
Ion Ratio Lower Upper
122 100
105 4.7 103.3 143.3#
77 32.8 73.7 113.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

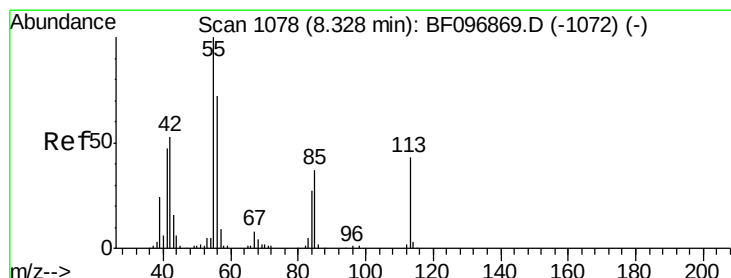
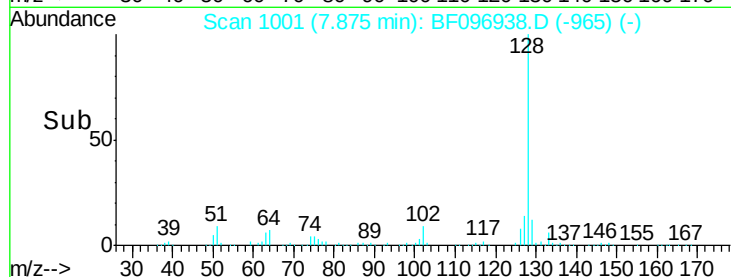
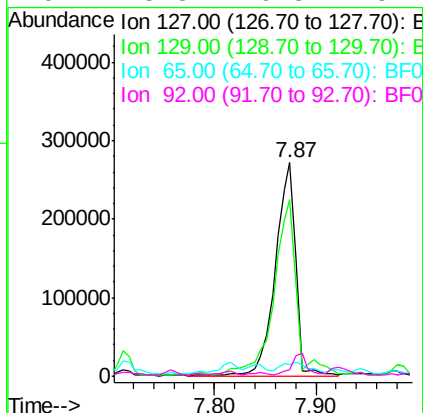
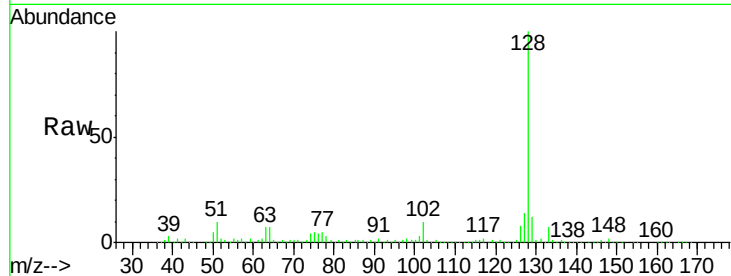




#33
4-Chloroaniline
Concen: 54.42 ng
RT: 7.87 min Scan# 1001
Delta R.T. -0.09 min
Lab File: BF096938.D
Acq: 21 Jul 2017 12:26

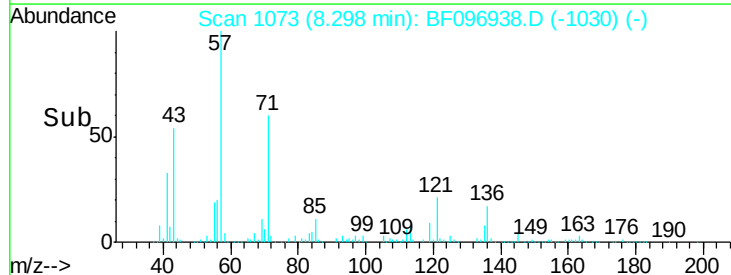
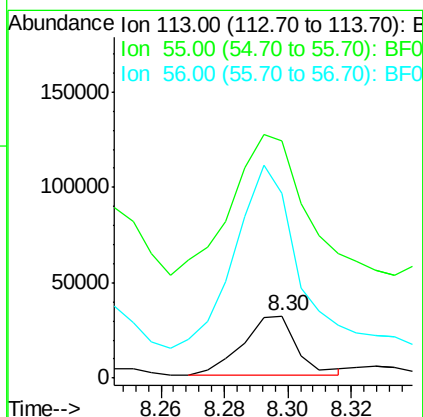
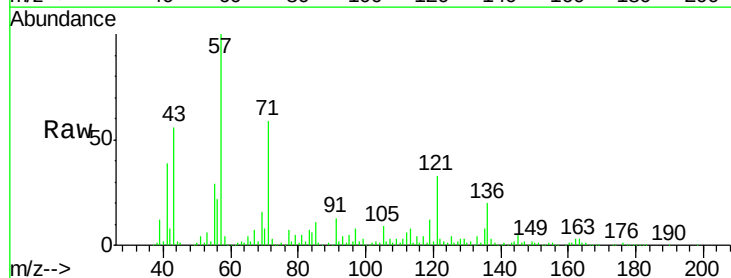
Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-BASE

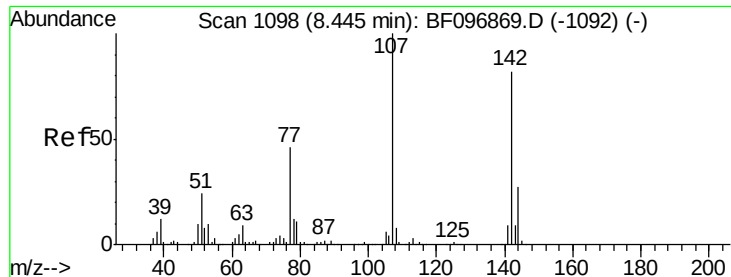
Tgt Ion:	127	Resp:	377249
Ion	Ratio	Lower	Upper
127	100		
129	82.8	26.2	39.2#
65	5.7	27.8	41.8#
92	3.3	16.8	25.2#



#35
Caprolactam
Concen: 22.51 ng
RT: 8.30 min Scan# 1073
Delta R.T. -0.05 min
Lab File: BF096938.D
Acq: 21 Jul 2017 12:26

Tgt Ion:	113	Resp:	36840
Ion	Ratio	Lower	Upper
113	100		
55	380.9	150.2	190.2#
56	297.3	107.8	147.8#

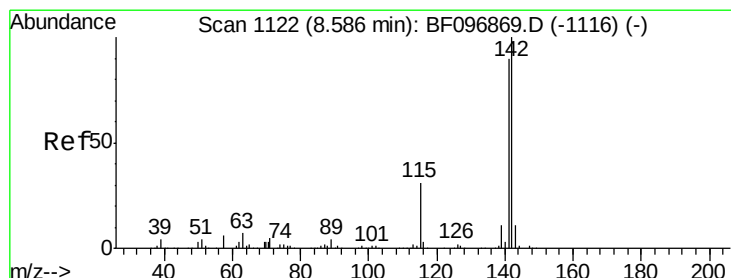
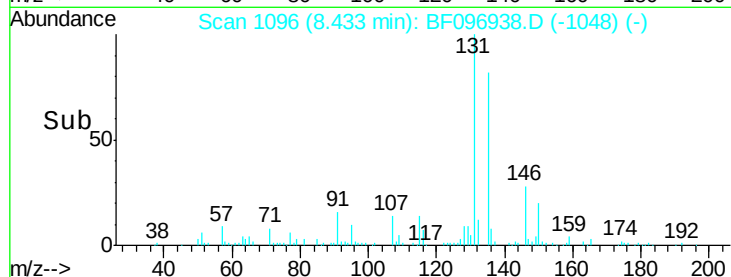
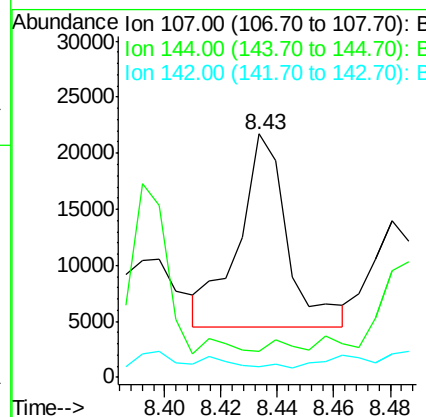
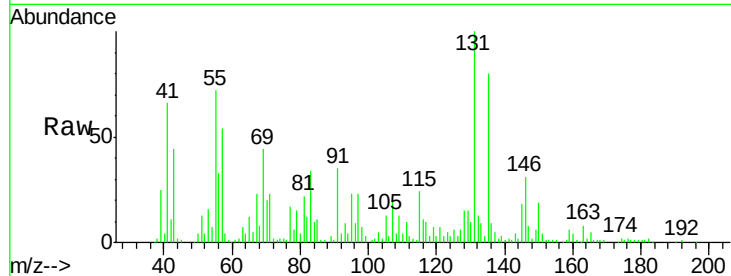




#36
 4-Chloro-3-methylphenol
 Concen: 3.79 ng
 RT: 8.43 min Scan# 1096
 Delta R.T. -0.02 min
 Lab File: BF096938.D
 Acq: 21 Jul 2017 12:26

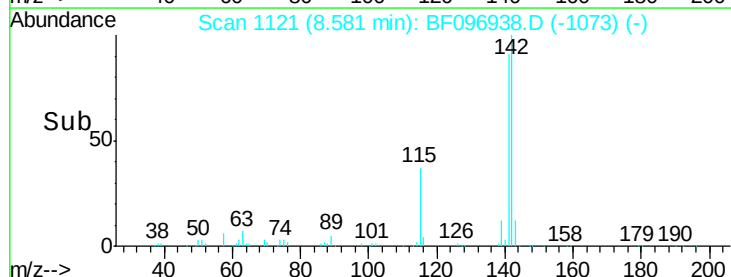
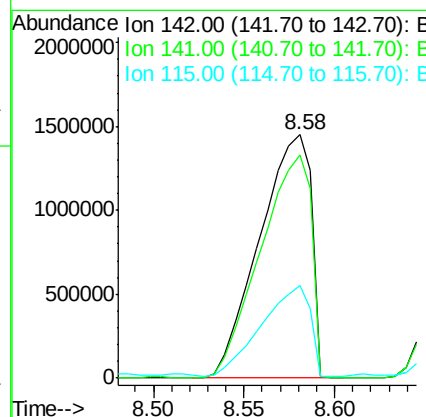
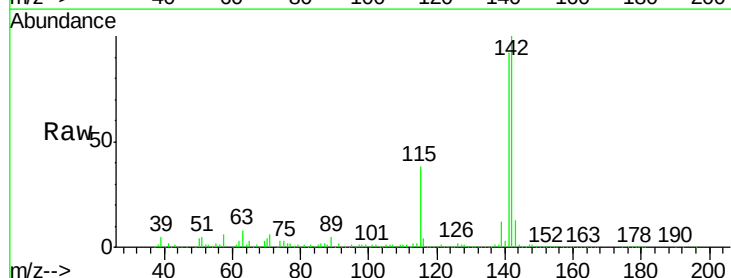
Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-BASE

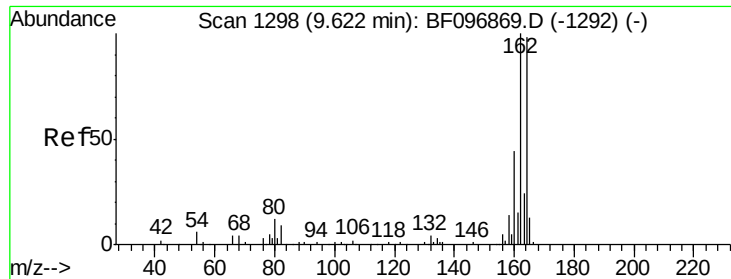
Tgt Ion:107 Resp: 20806
 Ion Ratio Lower Upper
 107 100
 144 10.9 24.2 36.4#
 142 4.6 73.4 110.0#



#37
 2-Methylnaphthalene
 Concen: 257.56 ng
 RT: 8.58 min Scan# 1121
 Delta R.T. -0.02 min
 Lab File: BF096938.D
 Acq: 21 Jul 2017 12:26

Tgt Ion:142 Resp: 2873243
 Ion Ratio Lower Upper
 142 100
 141 91.7 71.3 106.9
 115 37.9 27.1 40.7

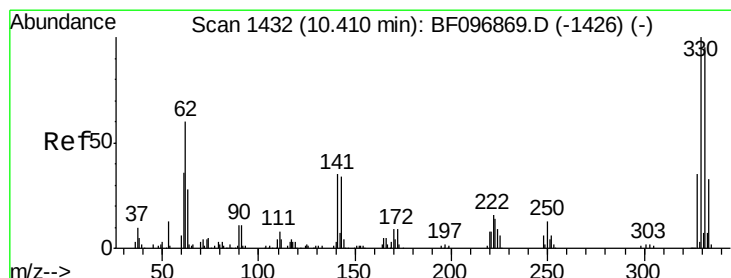
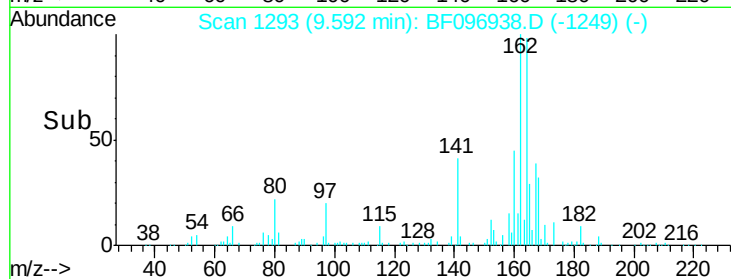
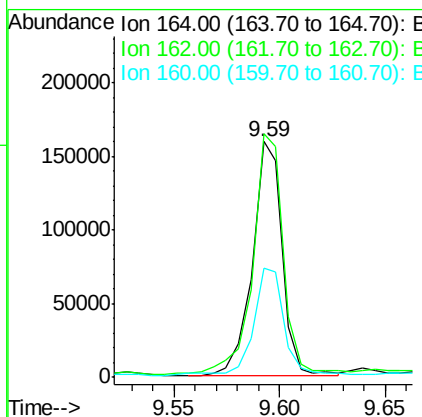
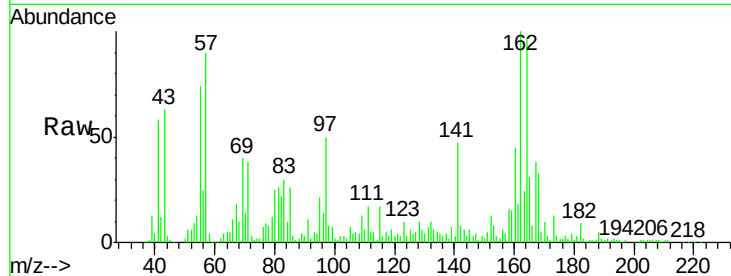




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 1293
 Delta R.T. -0.04 min
 Lab File: BF096938.D
 Acq: 21 Jul 2017 12:26

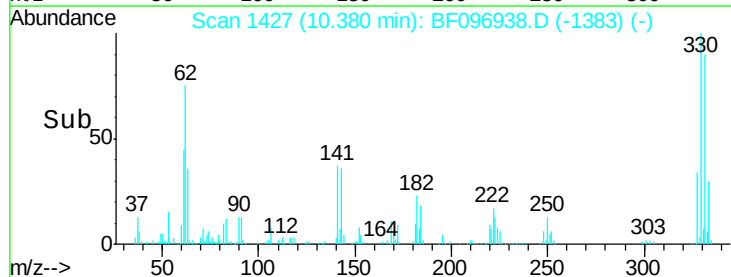
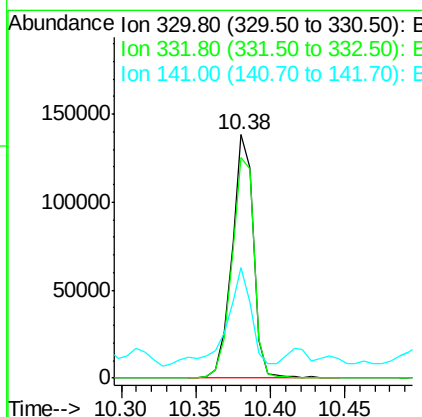
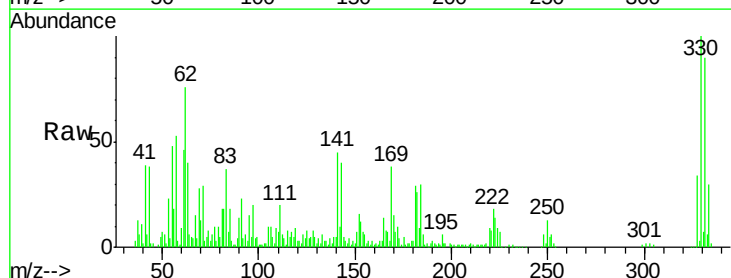
Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-BASE

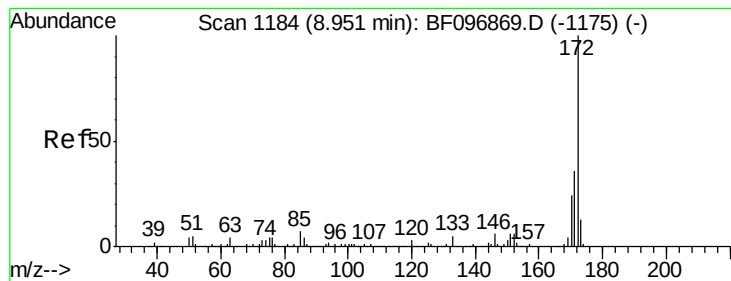
Tgt Ion:164 Resp: 155107
 Ion Ratio Lower Upper
 164 100
 162 103.4 82.6 123.8
 160 46.3 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 105.24 ng
 RT: 10.38 min Scan# 1427
 Delta R.T. -0.04 min
 Lab File: BF096938.D
 Acq: 21 Jul 2017 12:26

Tgt Ion:330 Resp: 139331
 Ion Ratio Lower Upper
 330 100
 332 94.5 76.6 115.0
 141 46.9 31.4 47.2





#44

2-Fluorobiphenyl

Concen: 68.49 ng

RT: 8.92 min Scan# 1179

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASE

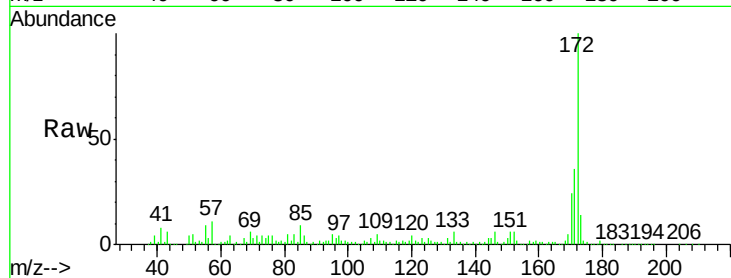
Tgt Ion:172 Resp: 672396

Ion Ratio Lower Upper

172 100

171 35.9 29.6 44.4

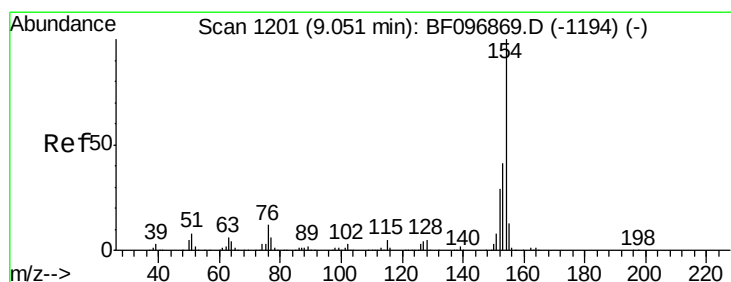
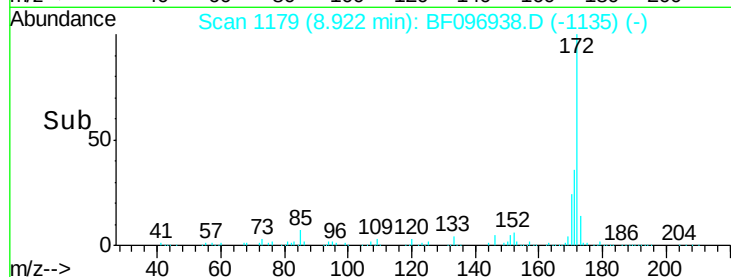
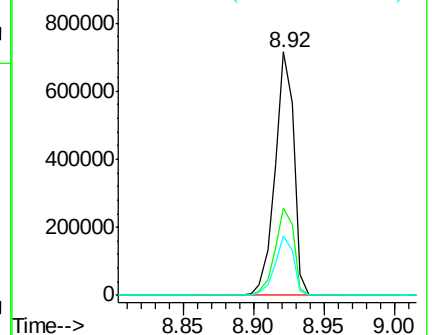
170 24.3 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#45

1,1'-Biphenyl

Concen: 35.81 ng

RT: 9.02 min Scan# 1196

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

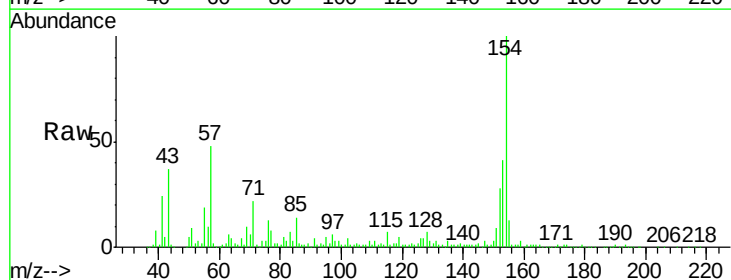
Tgt Ion:154 Resp: 476402

Ion Ratio Lower Upper

154 100

153 40.6 21.2 61.2

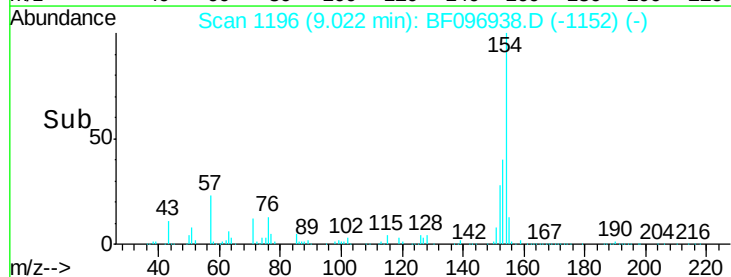
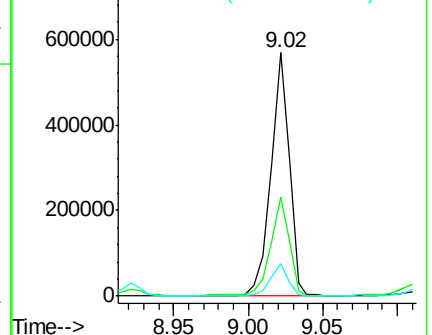
76 13.2 0.0 29.9

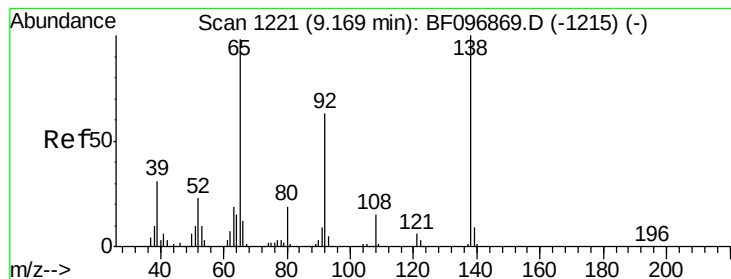


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0





#47

2-Nitroaniline

Concen: 4.41 ng

RT: 9.12 min Scan# 1213

Delta R.T. -0.06 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASE

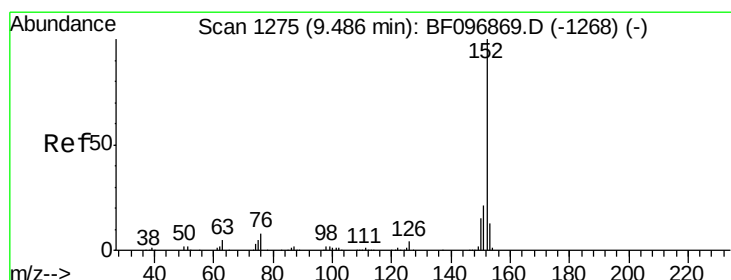
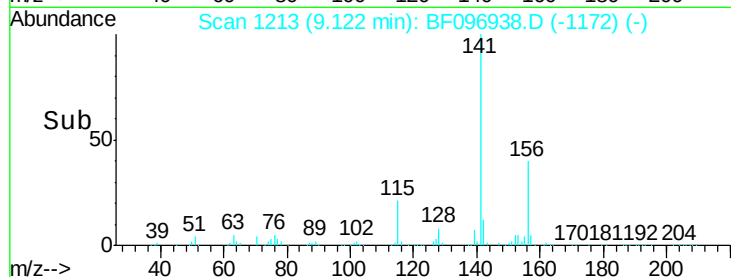
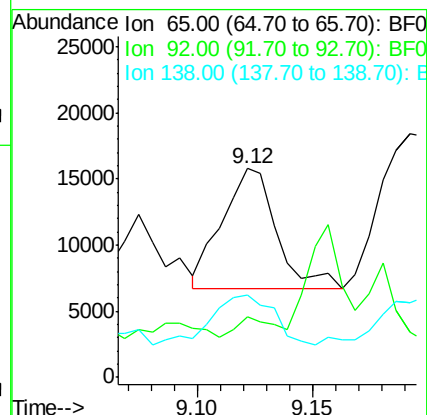
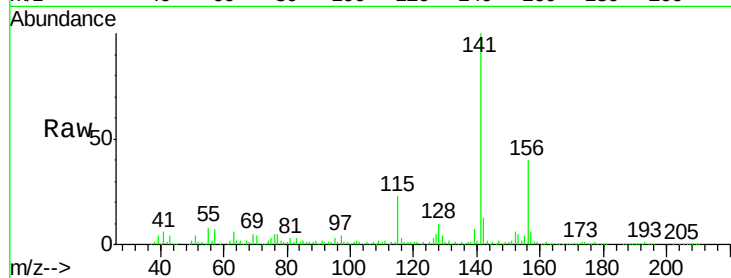
Tgt Ion: 65 Resp: 14848

Ion Ratio Lower Upper

65 100

92 28.9 53.9 80.9#

138 39.5 78.8 118.2#



#48

Acenaphthylene

Concen: 4.02 ng

RT: 9.46 min Scan# 1271

Delta R.T. -0.03 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

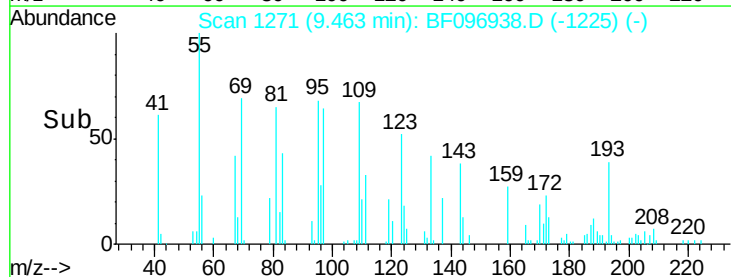
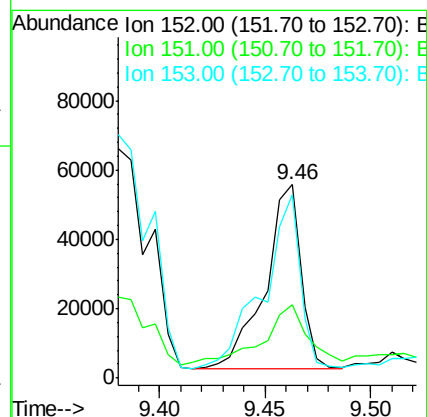
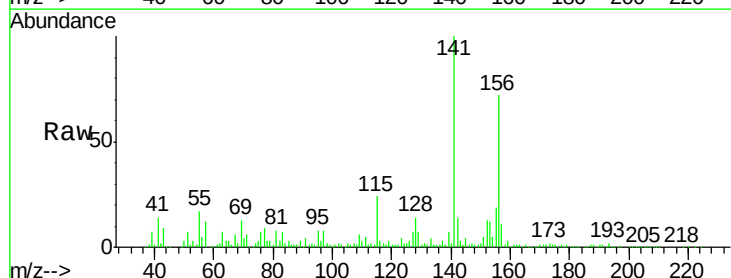
Tgt Ion: 152 Resp: 62716

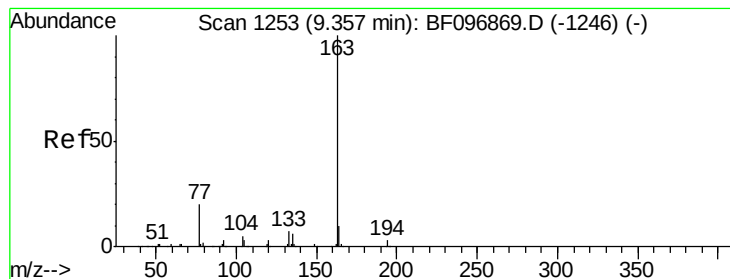
Ion Ratio Lower Upper

152 100

151 37.9 16.8 25.2#

153 94.7 10.8 16.2#





#49

Dimethylphthalate

Concen: 14.98 ng

RT: 9.32 min Scan# 1247

Delta R.T. -0.05 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASE

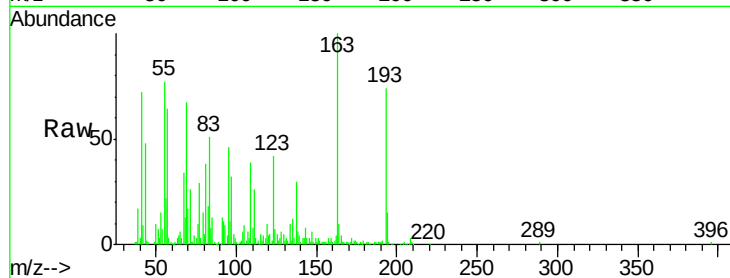
Tgt Ion:163 Resp: 174981

Ion Ratio Lower Upper

163 100

194 14.8 2.6 4.0#

164 10.1 8.4 12.6

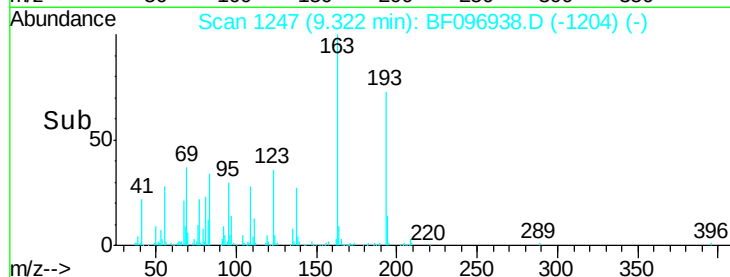


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



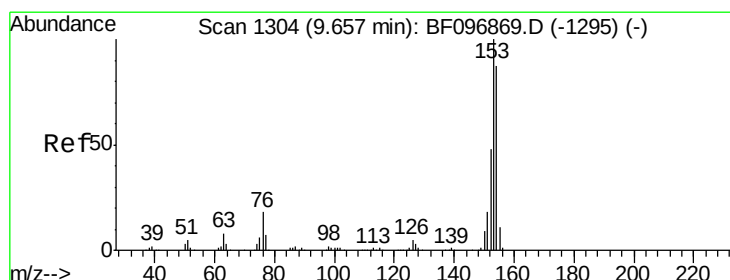
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



#51

Acenaphthene

Concen: 33.94 ng

RT: 9.63 min Scan# 1299

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

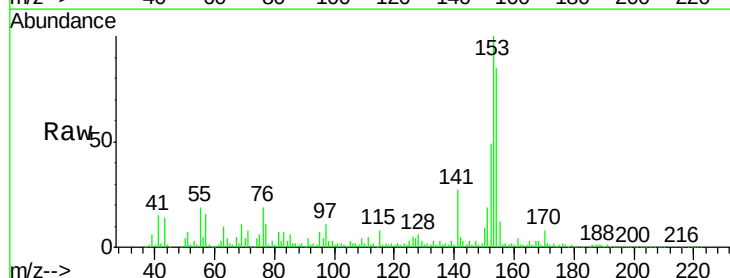
Tgt Ion:154 Resp: 312898

Ion Ratio Lower Upper

154 100

153 117.8 90.5 135.7

152 57.3 43.6 65.4

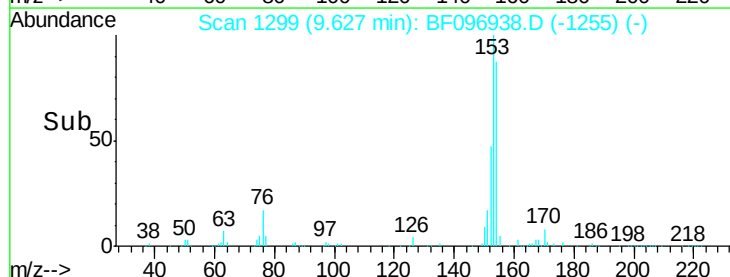


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Time-->



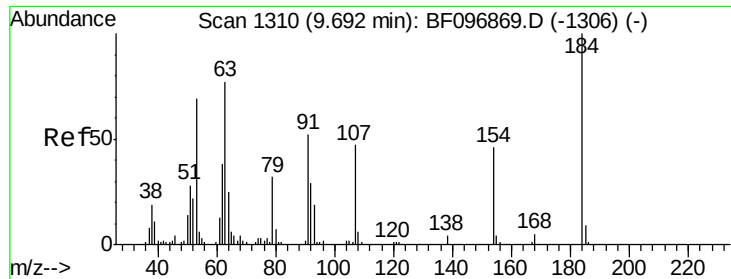
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

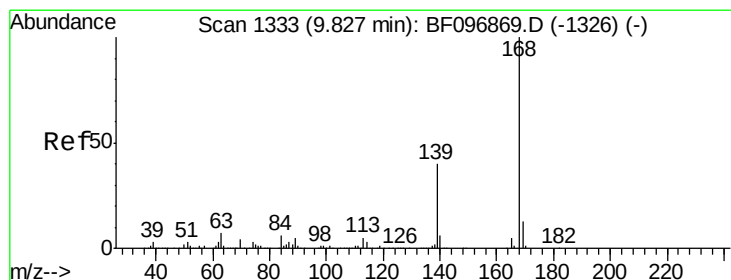
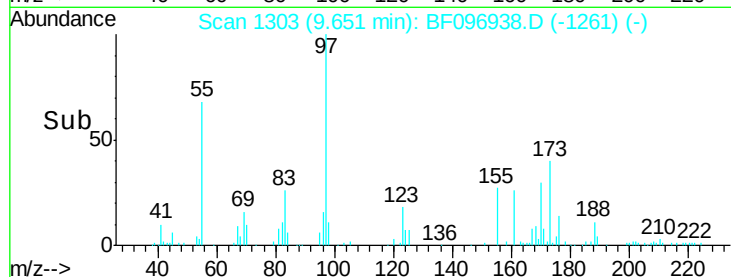
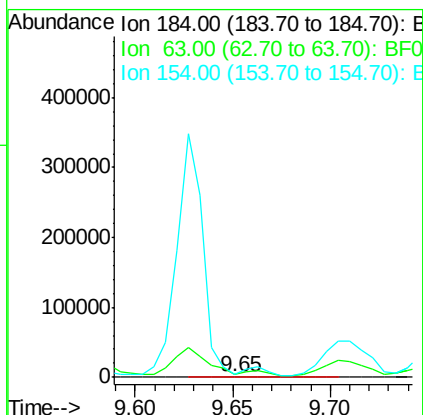
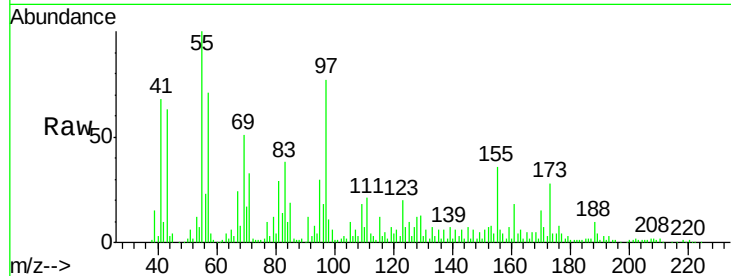
Time-->



#53
2,4-Dinitrophenol
Concen: 8.36 ng
RT: 9.65 min Scan# 1303
Delta R.T. -0.05 min
Lab File: BF096938.D
Acq: 21 Jul 2017 12:26

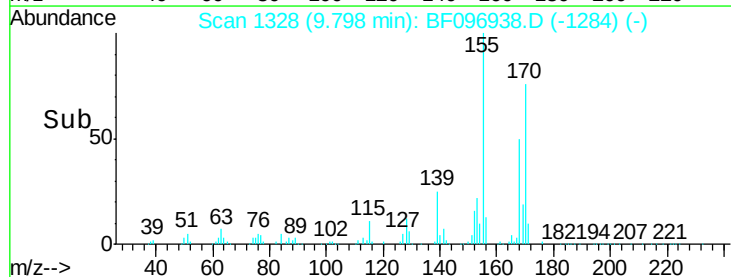
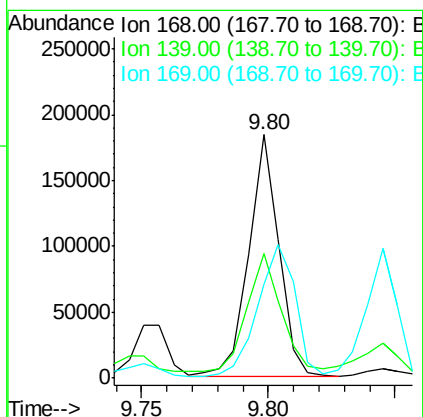
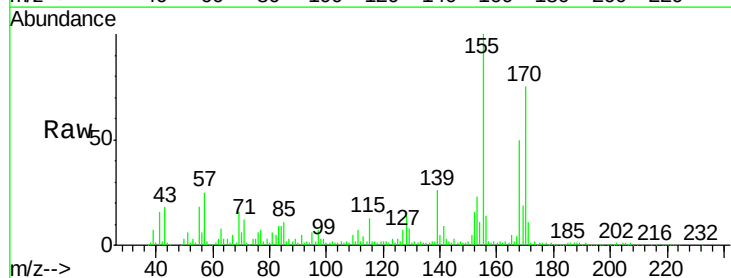
Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-BASE

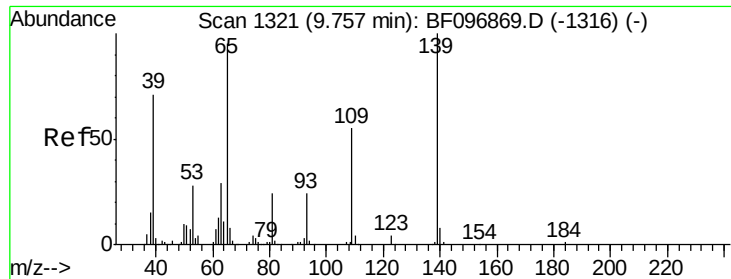
Tgt Ion:184 Resp: 2209
Ion Ratio Lower Upper
184 100
63 550.2 62.7 94.1#
154 567.1 81.1 121.7#



#54
Dibenzofuran
Concen: 11.73 ng
RT: 9.80 min Scan# 1328
Delta R.T. -0.04 min
Lab File: BF096938.D
Acq: 21 Jul 2017 12:26

Tgt Ion:168 Resp: 151604
Ion Ratio Lower Upper
168 100
139 51.1 30.6 45.8#
169 38.4 10.8 16.2#

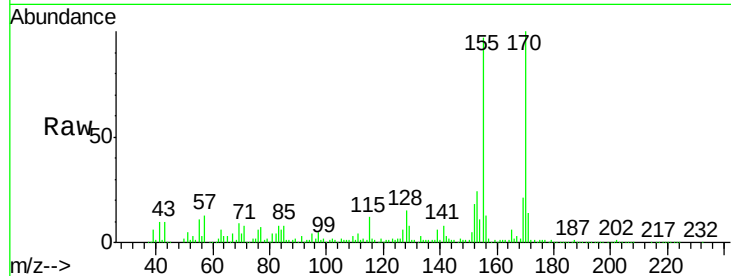




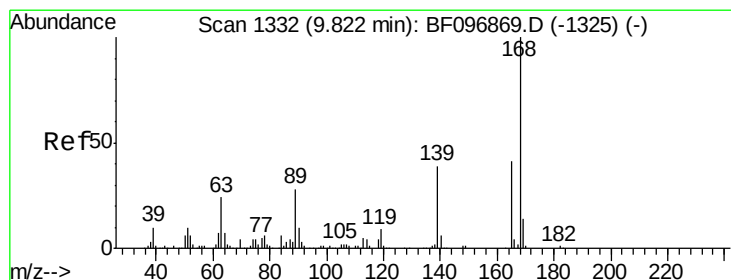
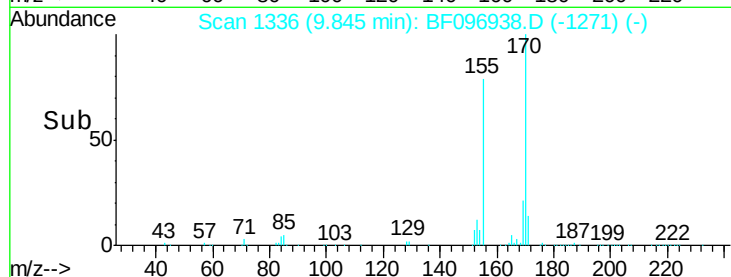
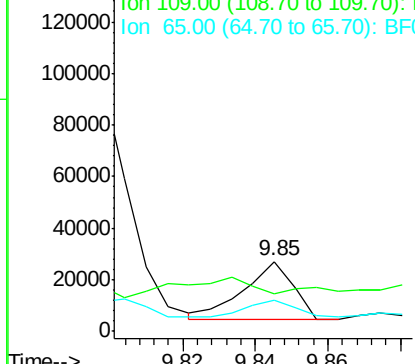
#55
4-Nitrophenol
Concen: 9.97 ng
RT: 9.85 min Scan# 1336
Delta R.T. 0.08 min
Lab File: BF096938.D
Acq: 21 Jul 2017 12:26

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-BASE

Tgt Ion:139 Resp: 21824
Ion Ratio Lower Upper
139 100
109 53.3 34.1 74.1
65 44.2 31.4 71.4

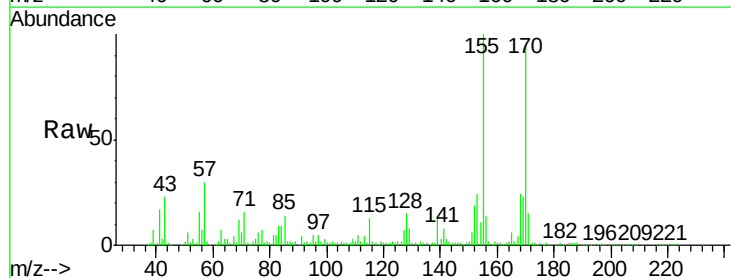


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

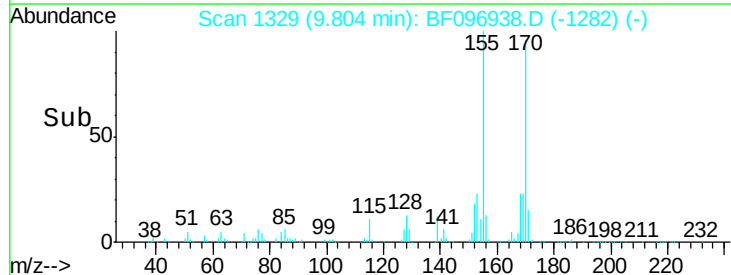
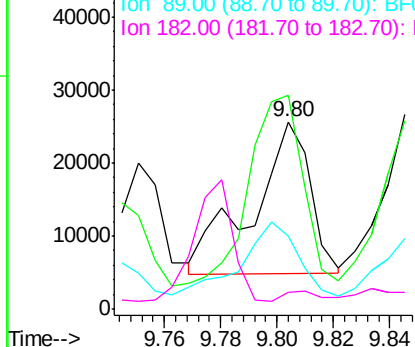


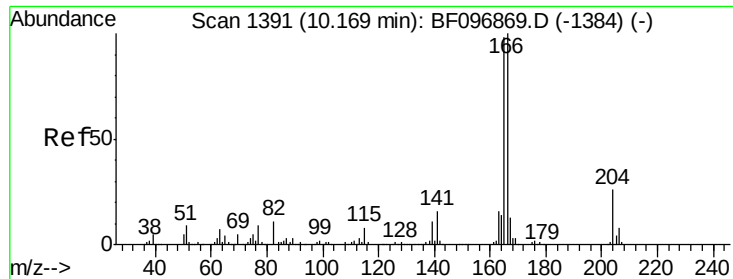
#56
2,4-Dinitrotoluene
Concen: 9.08 ng
RT: 9.80 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF096938.D
Acq: 21 Jul 2017 12:26

Tgt Ion:165 Resp: 29502
Ion Ratio Lower Upper
165 100
63 114.2 25.4 38.0#
89 38.9 46.4 69.6#
182 9.2 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E

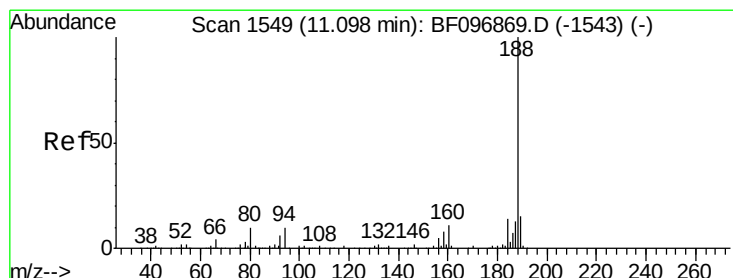
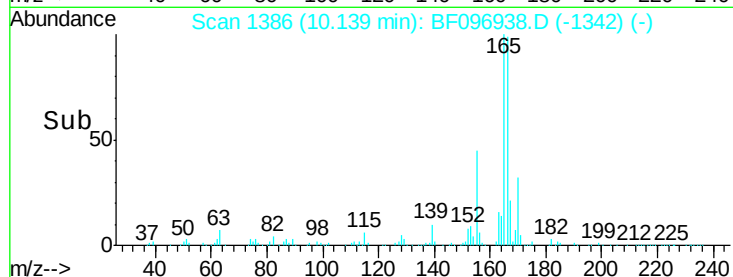
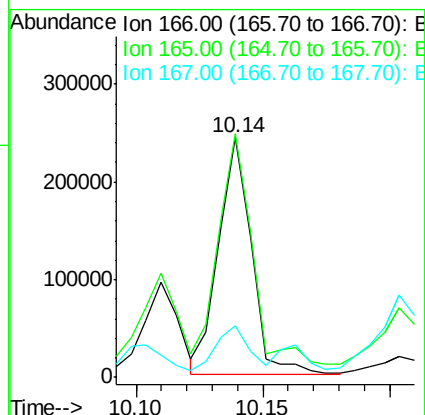
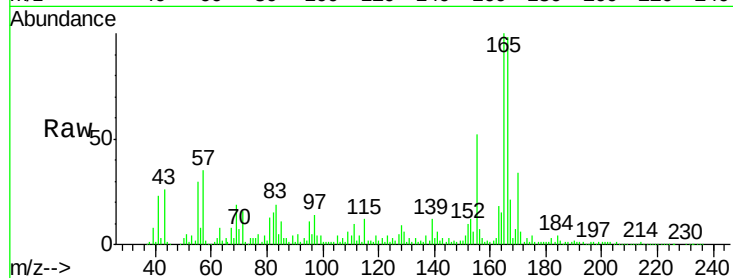




#57
Fluorene
 Concen: 23.13 ng
 RT: 10.14 min Scan# 1386
 Delta R.T. -0.04 min
 Lab File: BF096938.D
 Acq: 21 Jul 2017 12:26

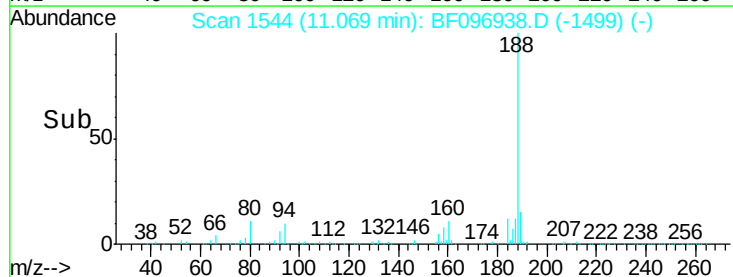
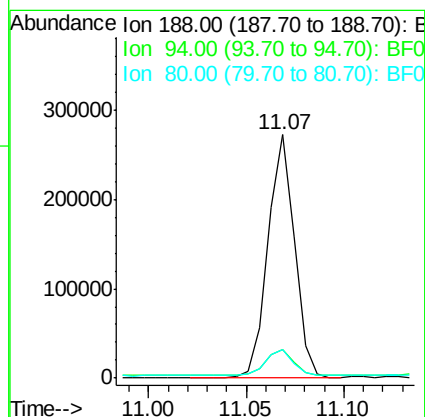
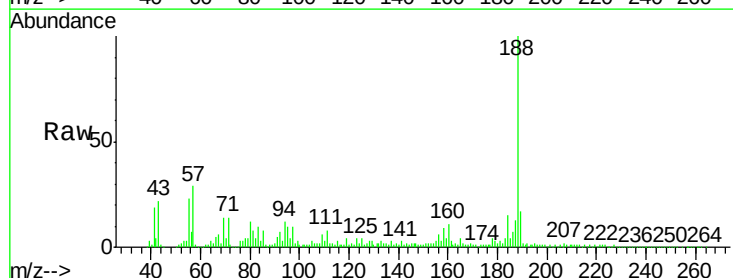
Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-BASE

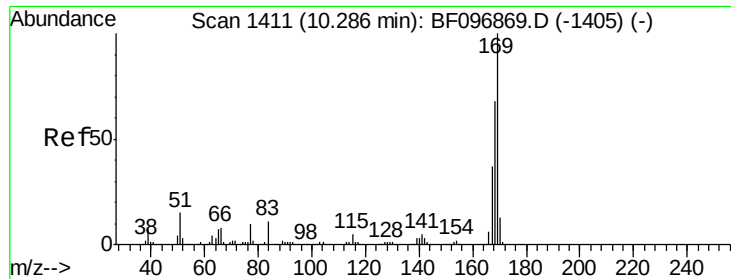
Tgt Ion:166 Resp: 220800
 Ion Ratio Lower Upper
 166 100
 165 101.8 78.8 118.2
 167 21.7 10.6 16.0#



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.07 min Scan# 1544
 Delta R.T. -0.04 min
 Lab File: BF096938.D
 Acq: 21 Jul 2017 12:26

Tgt Ion:188 Resp: 256055
 Ion Ratio Lower Upper
 188 100
 94 11.7 9.4 14.2
 80 11.8 10.2 15.2





#65

n-Nitrosodiphenylamine

Concen: 15.52 ng

RT: 10.26 min Scan# 1406

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASE

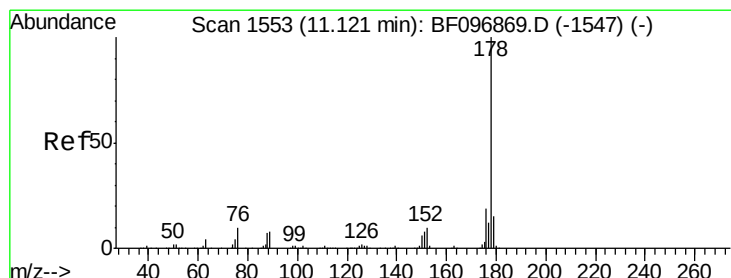
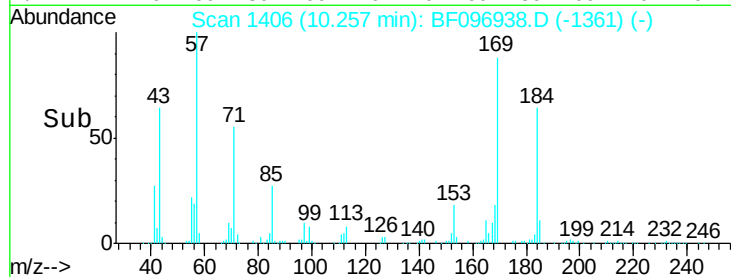
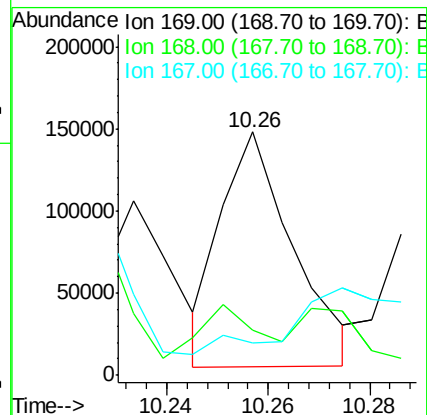
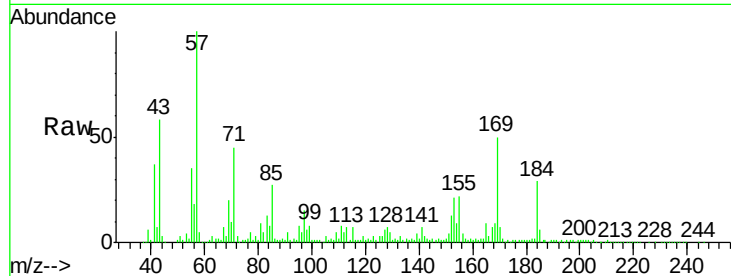
Tgt Ion:169 Resp: 142009

Ion Ratio Lower Upper

169 100

168 18.6 53.2 79.8#

167 13.5 29.5 44.3#



#70

Phenanthrene

Concen: 56.23 ng

RT: 11.10 min Scan# 1549

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

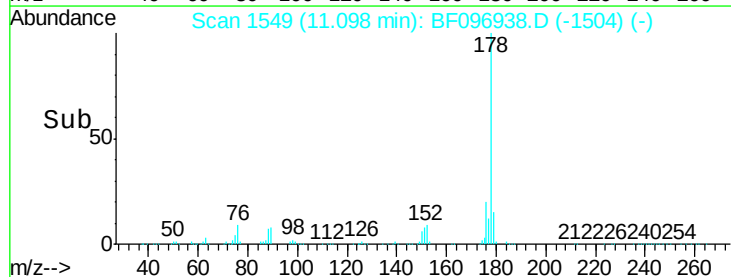
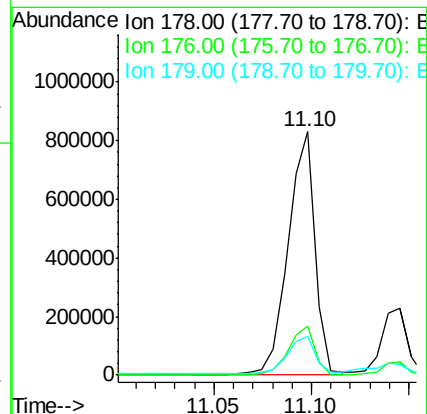
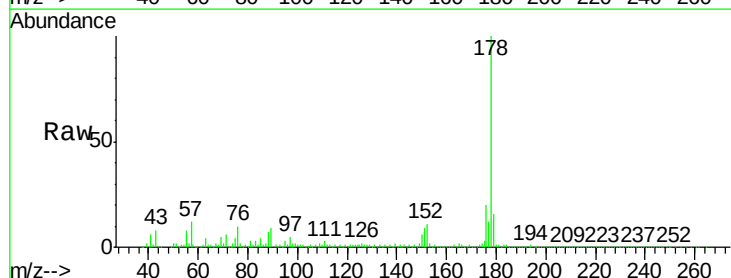
Tgt Ion:178 Resp: 782856

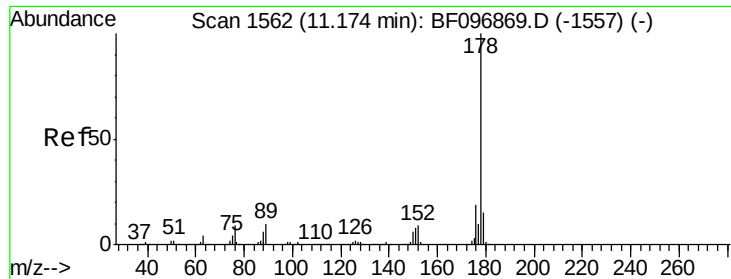
Ion Ratio Lower Upper

178 100

176 20.1 16.2 24.4

179 16.1 12.6 19.0





#71

Anthracene

Concen: 14.16 ng

RT: 11.15 min Scan# 1557

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASE

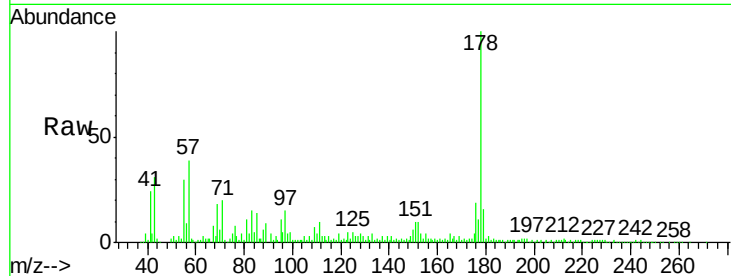
Tgt Ion:178 Resp: 199300

Ion Ratio Lower Upper

178 100

176 19.2 15.8 23.8

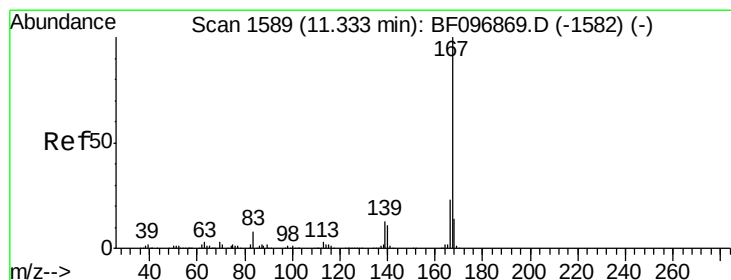
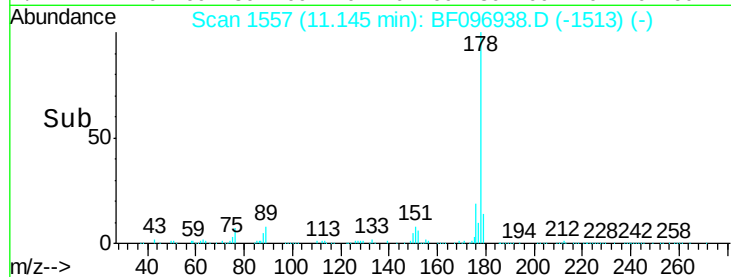
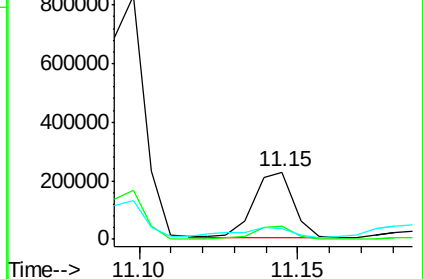
179 16.3 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 3.88 ng

RT: 11.30 min Scan# 1583

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

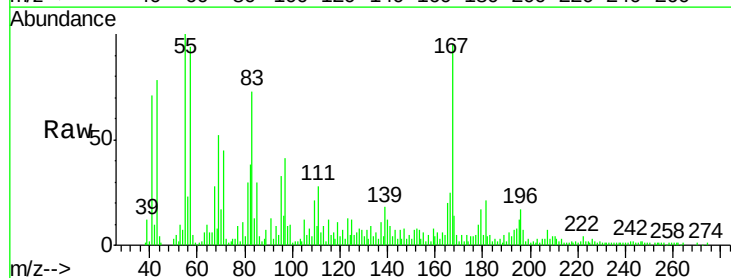
Tgt Ion:167 Resp: 52876

Ion Ratio Lower Upper

167 100

166 26.5 18.1 27.1

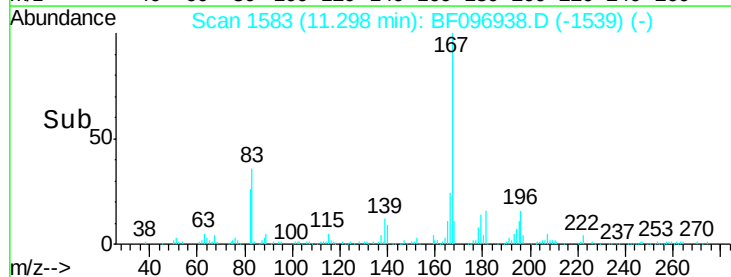
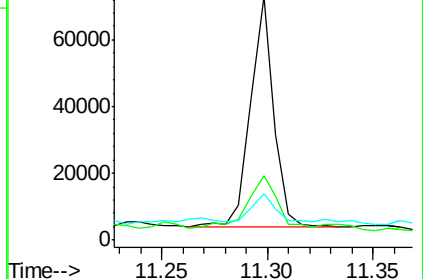
139 19.0 11.7 17.5#

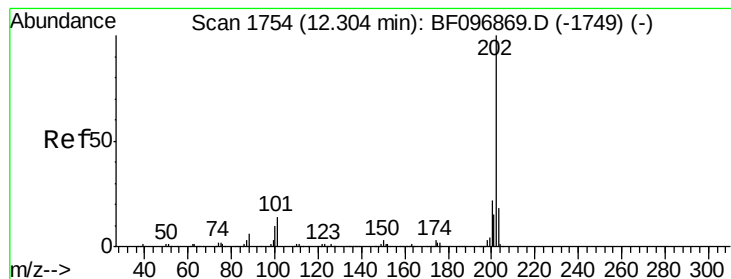


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 29.09 ng

RT: 12.27 min Scan# 1749

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASE

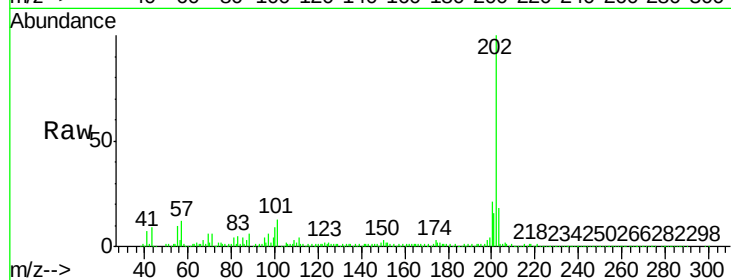
Tgt Ion:202 Resp: 387609

Ion Ratio Lower Upper

202 100

101 13.4 0.0 33.2

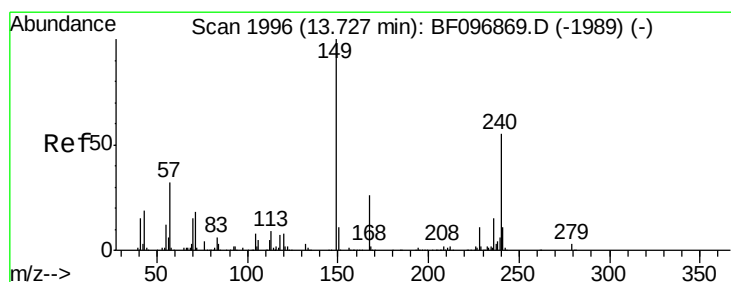
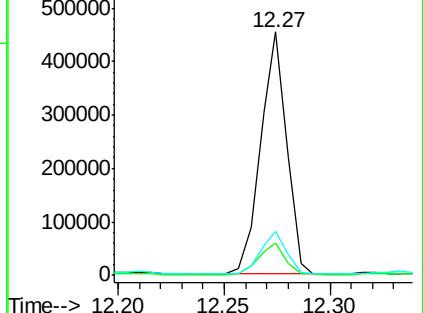
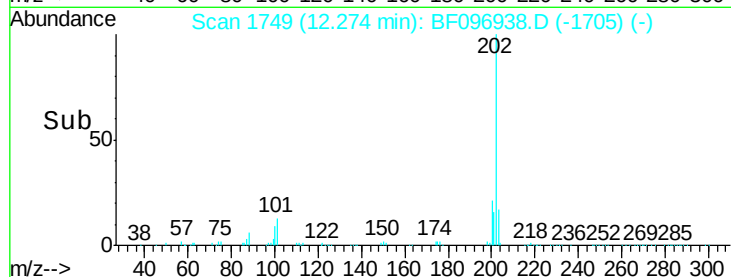
203 18.0 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.69 min Scan# 1990

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

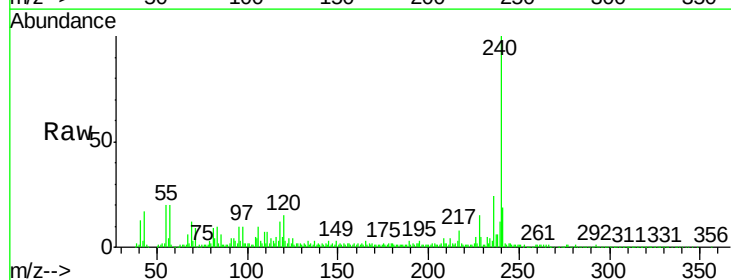
Tgt Ion:240 Resp: 179490

Ion Ratio Lower Upper

240 100

120 15.2 5.8 8.8#

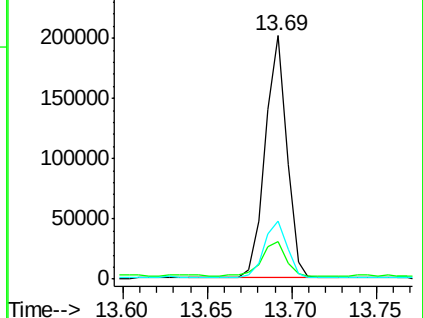
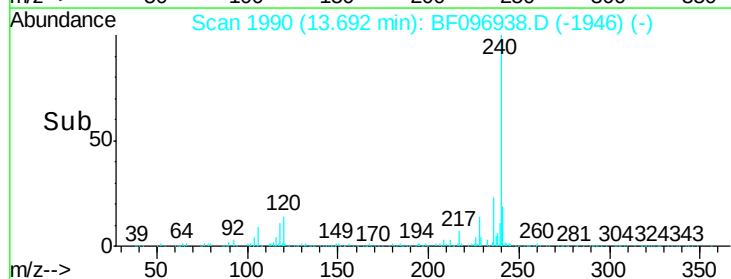
236 23.6 20.5 30.7

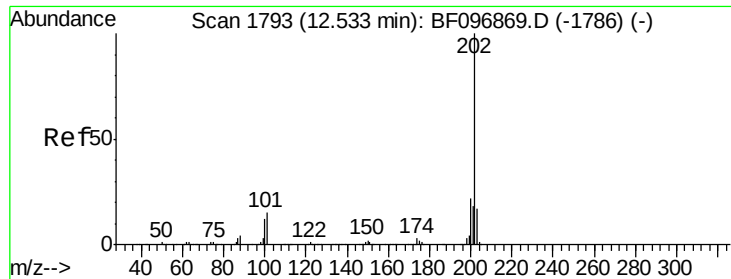


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 23.24 ng

RT: 12.50 min Scan# 1787

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASE

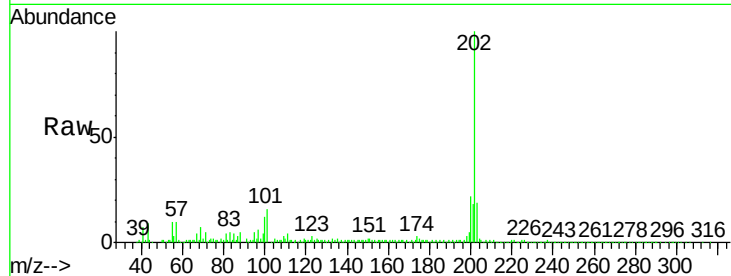
Tgt Ion:202 Resp: 378599

Ion Ratio Lower Upper

202 100

200 22.2 17.6 26.4

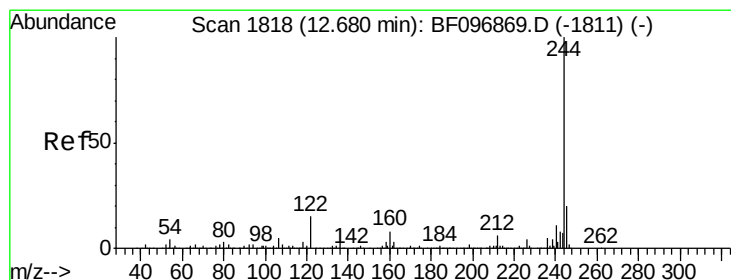
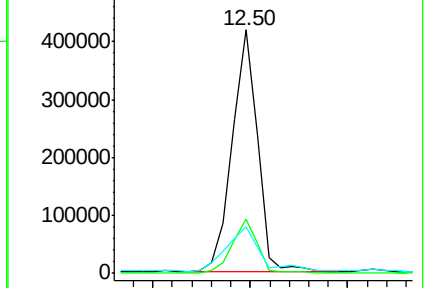
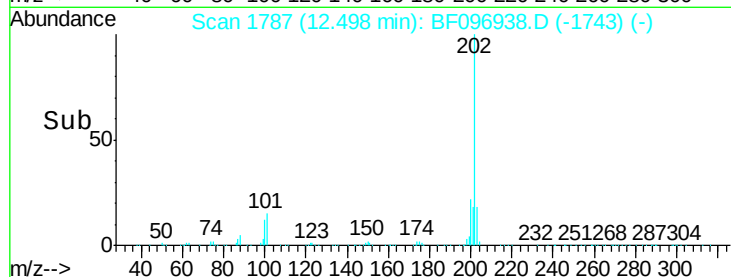
203 19.1 14.4 21.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 37.75 ng

RT: 12.65 min Scan# 1813

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

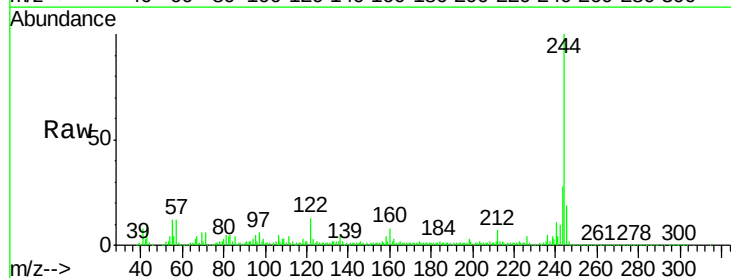
Tgt Ion:244 Resp: 390733

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

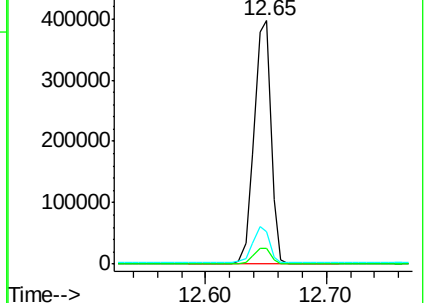
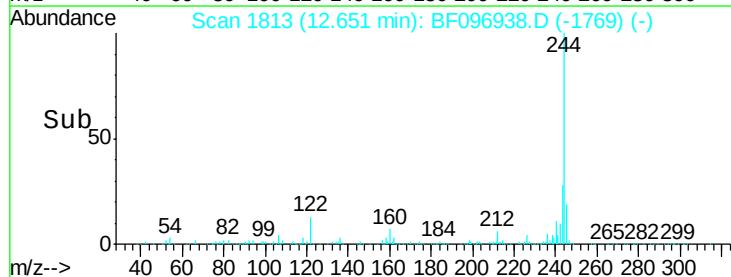
122 13.3 10.3 15.5

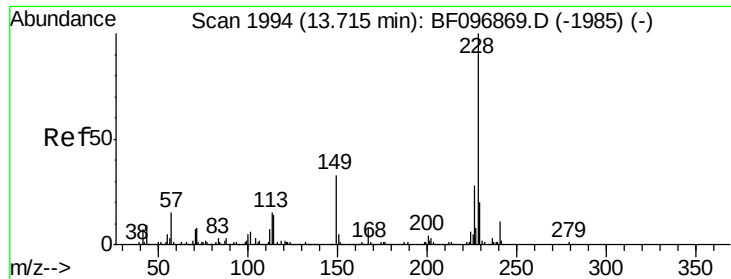


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.31 ng

RT: 13.68 min Scan# 1988

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASE

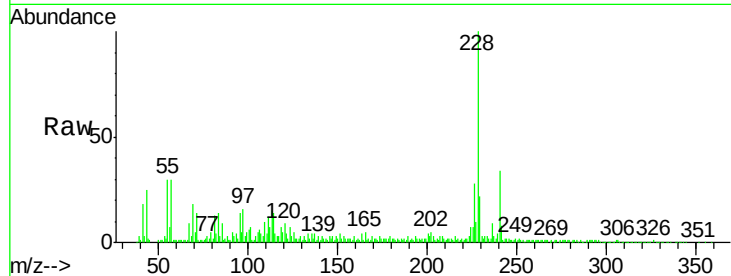
Tgt Ion:228 Resp: 148866

Ion Ratio Lower Upper

228 100

226 28.1 22.6 33.8

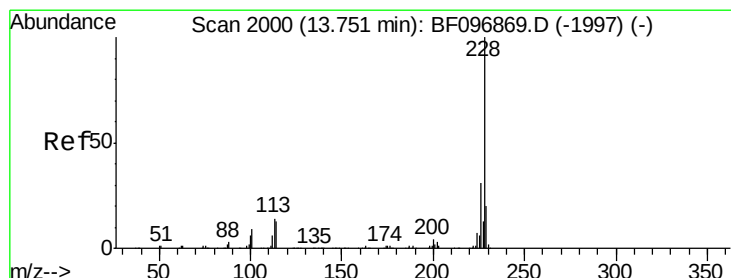
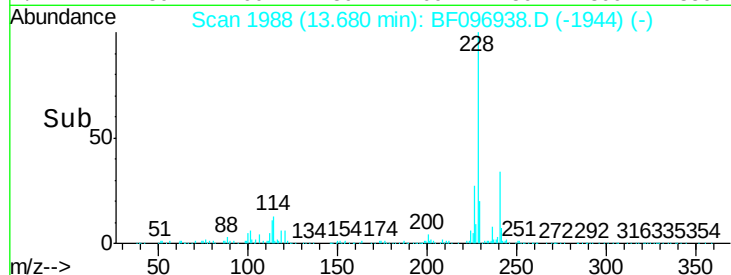
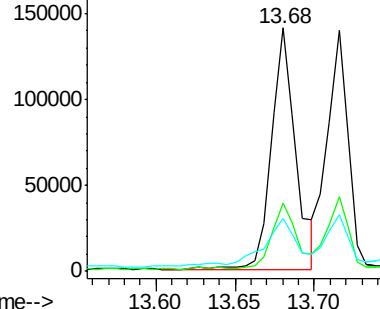
229 22.0 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 11.73 ng

RT: 13.72 min Scan# 1994

Delta R.T. -0.05 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

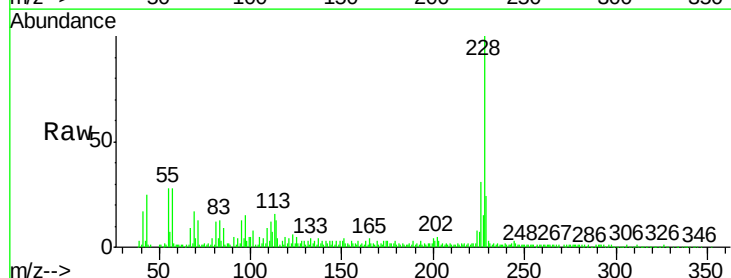
Tgt Ion:228 Resp: 129094

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

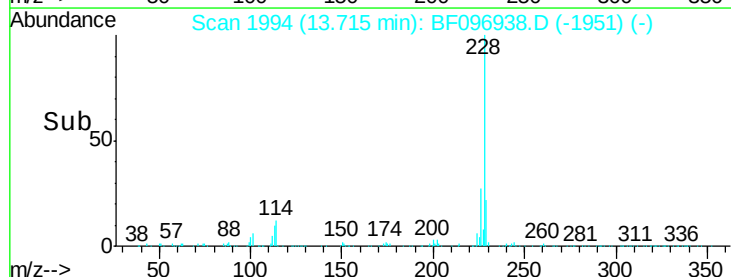
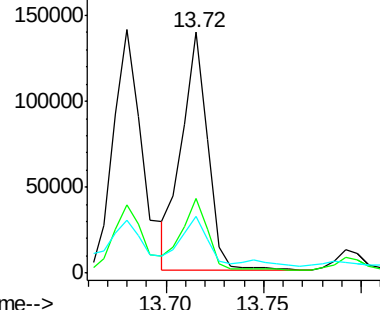
229 23.6 15.8 23.6

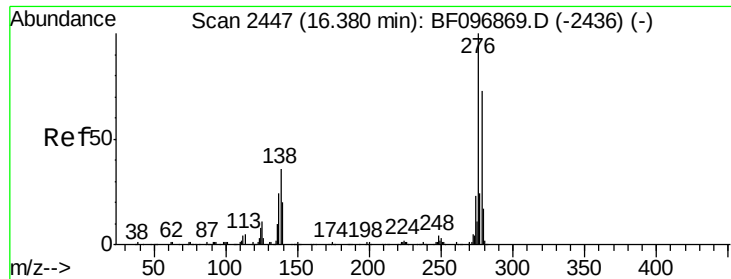


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

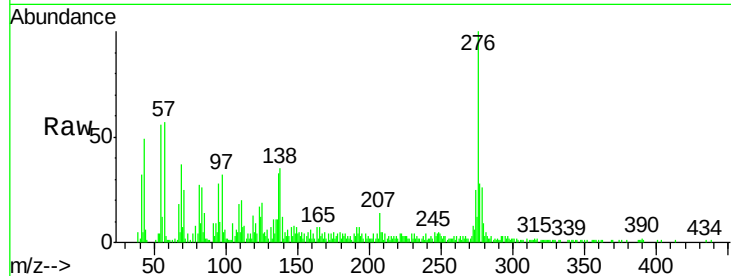




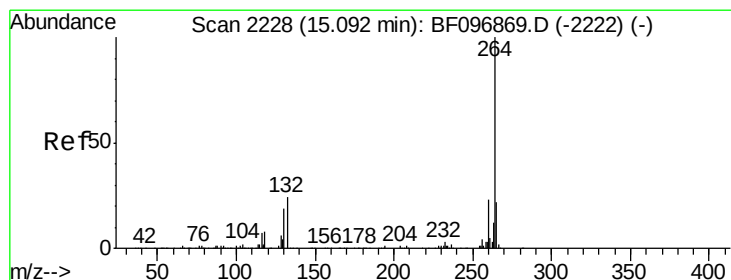
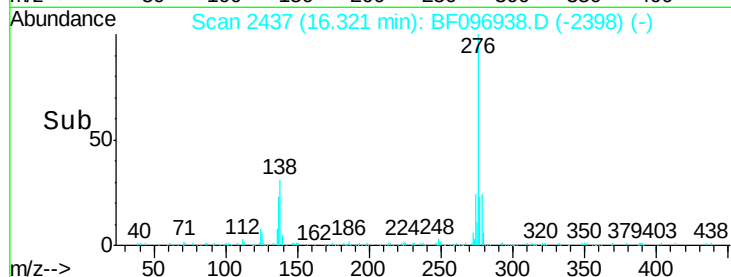
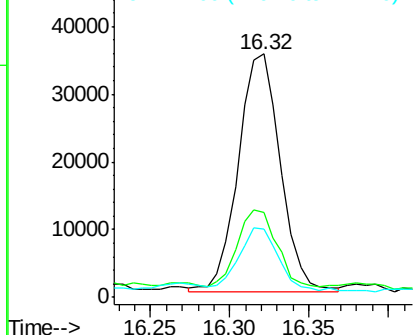
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.42 ng
 RT: 16.32 min Scan# 2437
 Delta R.T. -0.07 min
 Lab File: BF096938.D
 Acq: 21 Jul 2017 12:26

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-BASE

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.0	27.8	41.6
277	24.8	20.2	30.4

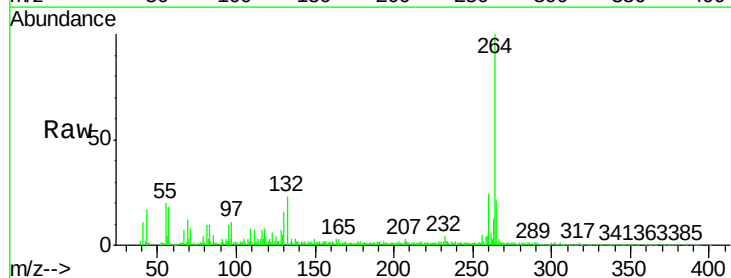


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

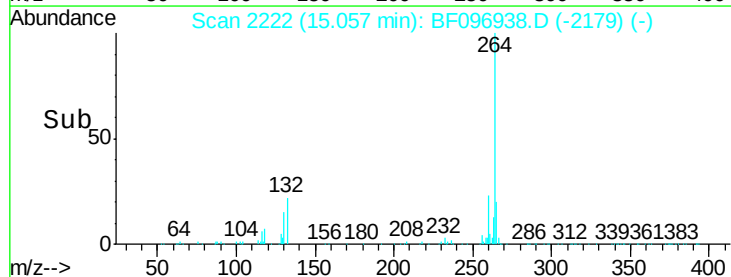
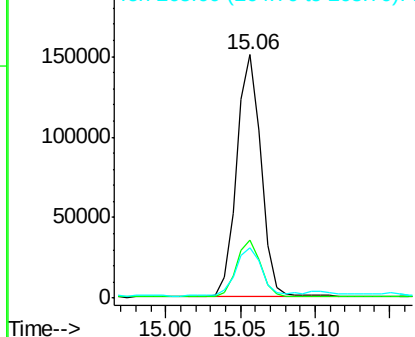


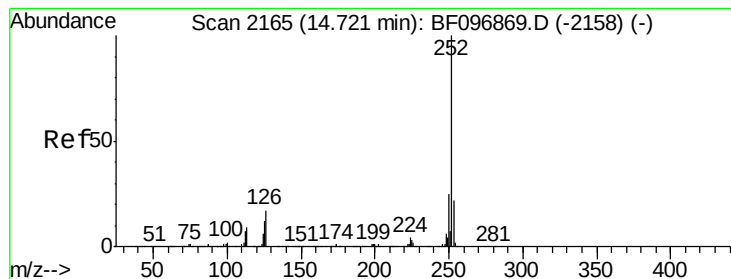
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.06 min Scan# 2222
 Delta R.T. -0.05 min
 Lab File: BF096938.D
 Acq: 21 Jul 2017 12:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.5	29.3
265	20.9	17.2	25.8



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 17.41 ng

RT: 14.69 min Scan# 2159

Delta R.T. -0.04 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

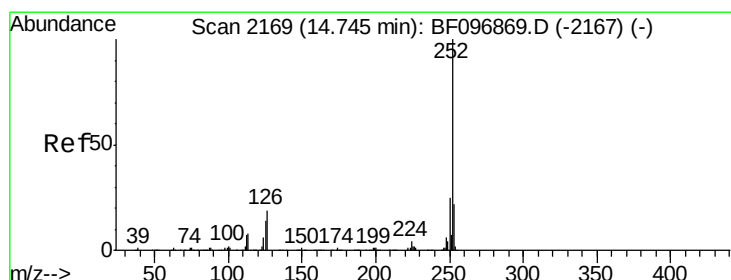
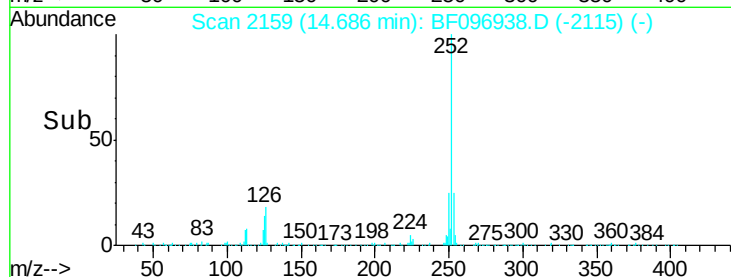
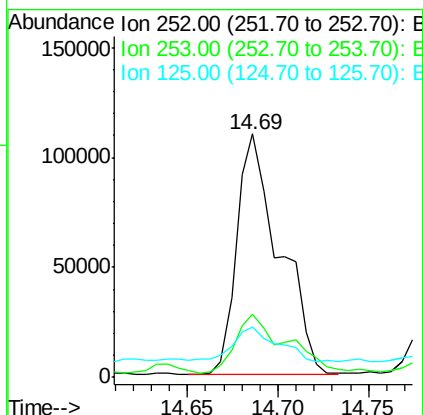
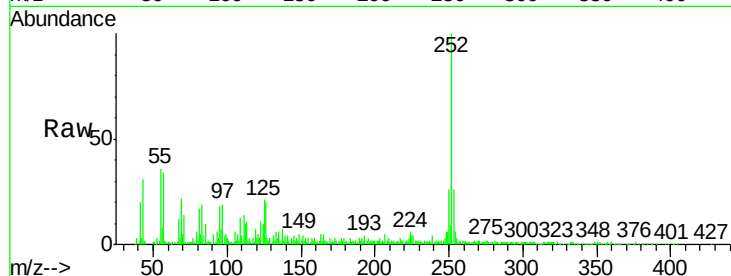
Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASE

Tgt Ion:	252	Resp:	180525
Ion Ratio		Lower	Upper
252	100		
253	26.0	18.1	27.1
125	20.7	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 18.39 ng

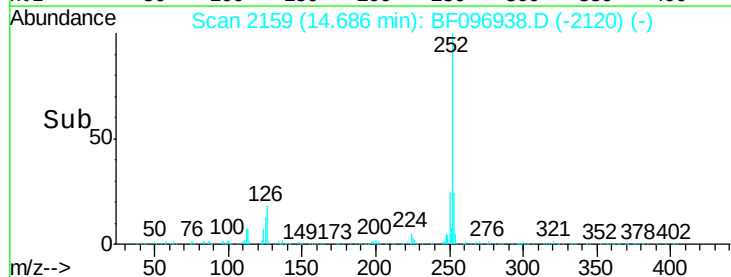
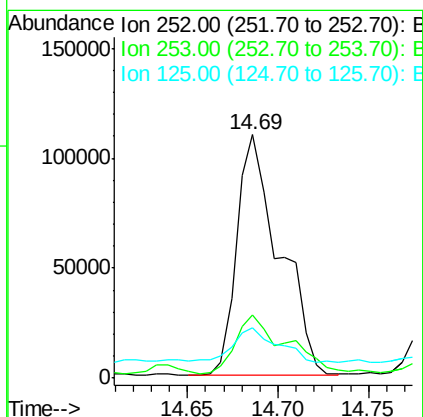
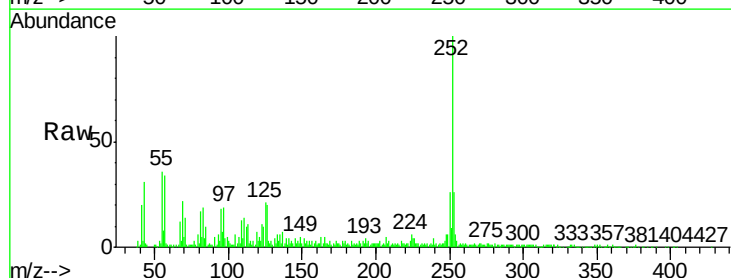
RT: 14.69 min Scan# 2159

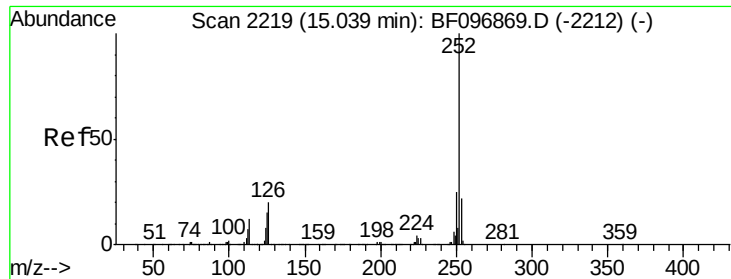
Delta R.T. -0.07 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

Tgt Ion:	252	Resp:	180525
Ion Ratio		Lower	Upper
252	100		
253	26.0	18.4	27.6
125	20.7	13.1	19.7#





#89

Benzo(a)pyrene

Concen: 10.32 ng

RT: 15.00 min Scan# 2212

Delta R.T. -0.05 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

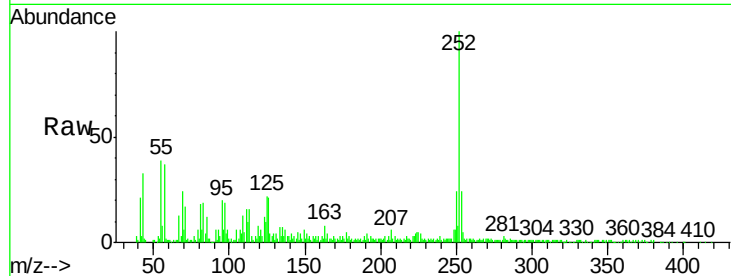
Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-BASE

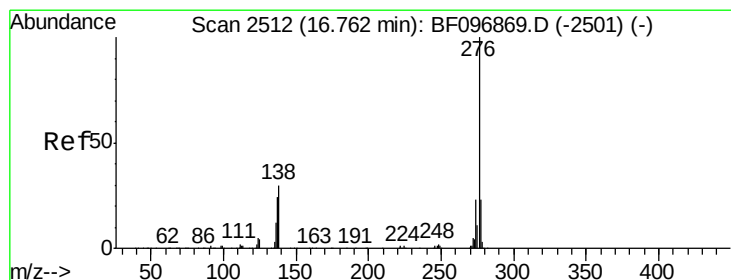
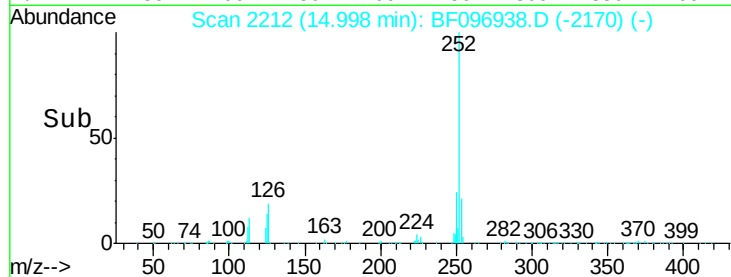
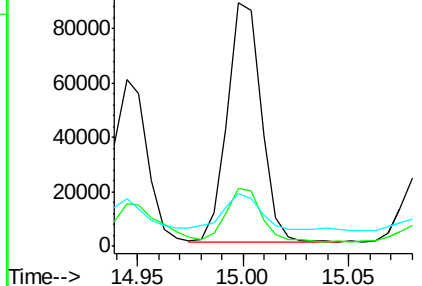
Tgt Ion:	252	Resp:	98122
Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.5	26.3
125	21.5	11.0	16.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.72 ng

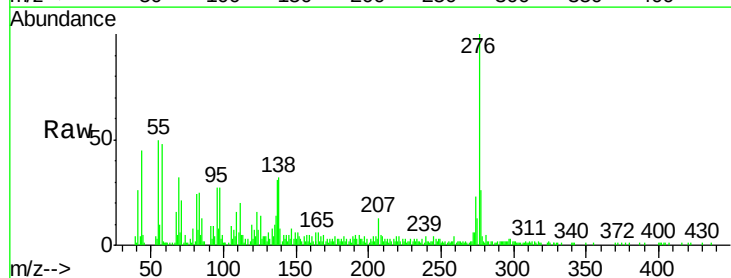
RT: 16.70 min Scan# 2501

Delta R.T. -0.08 min

Lab File: BF096938.D

Acq: 21 Jul 2017 12:26

Tgt Ion:	276	Resp:	62936
Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.6	28.0
138	31.6	25.4	38.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

